

## JENKEM TECHNOLOGY USA

INNOVATIVE MANUFACTURER  
DEDICATED TO THE DEVELOPMENT  
AND MANUFACTURE OF  
HIGH-QUALITY PEG PRODUCTS

FROM R&D, CATALOG SCALE THROUGH  
COMMERCIAL GMP PRODUCTION WITH  
WORLDWIDE DISTRIBUTION

MOST ITEMS IN THIS CATALOG ARE OFFERED IN BULK  
AT A SUBSTANTIAL DISCOUNT

CUSTOM SYNTHESIS CAPABILITIES ARE AVAILABLE  
FOR PEG PRODUCTS NOT LISTED IN THIS CATALOG

PLEASE CONTACT US FOR PEGYLATION SERVICES

[www.jenkemusa.com](http://www.jenkemusa.com)

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Prices are subject to change without notice.  
Shipping and handling fees are extra.

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NOTE: PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at [tech@jenkemusa.com](mailto:tech@jenkemusa.com).

## Introduction

Founded in 2001, JenKem Technology specializes in high-purity, low polydispersity polyethylene glycol (PEG) derivatives, PEG co-polymers, monodisperse PEGs, custom PEG derivative synthesis and PEGylation services. Specific strengths are supported by access to bulk ethylene oxide and the performance of all polymerizations and derivatizations in-house.

JenKem Technology supplies PEG derivatives worldwide, from R&D through GMP commercial quantities, for preclinical, clinical trials, and commercial products in the pharmaceutical, biotechnology, medical device, and diagnostics marketplaces.

JenKem Technology manufactures high quality reactive polyethylene glycol (PEG) derivatives with high purity and narrow polydispersity, from laboratory scale to commercial scale in both GMP and non-GMP grade. PEG raw materials are provided in bulk. JenKem Technology's PEG raw materials are back integrated to production directly from ethylene oxide. GPC calibration standards, necessary for accurate GPC analysis of PEG products, are provided in GPC calibration kits for linear PEGs and 4arm PEGs.

PEGs have been shown to provide improved water solubility and biocompatibility in drugs and other applications, and the ability to attach a variety of reactive functional groups to the terminal positions of these polymers has greatly increased their applications. Homo- or hetero-bifunctional PEGs are especially useful as cross-linking agents or spacers between two chemical entities, whereas mono-functional PEGs prevent bridging reactions which can affect the PEGylation of certain compounds. Branched PEG derivatives consist of linear methoxy PEG chains attached to a central core. JenKem® proprietary Y-shape PEGs are more selective, due to their sterically bulky structure. Multi-arm PEG derivatives, prepared by ethoxylation of different cores such as pentaerythritol, hexaglycerol, or tripentaerythritol, can be cross-linked in a variety of ways into hydrogels.

Bi-functional PEG derivatives with different terminal functional groups are widely used in the PEGylation of peptides, proteins, small molecules, like folate, mannose, pro-drugs or oligonucleotides, cells, nanoparticles and virus particles, or surfaces, and require extensive characterization with complex analytical techniques. Multi-arm PEG derivatives are largely employed in the formation of hydrogels. PEG hydrogels are used extensively in the controlled release of therapeutics, in medical devices, and regenerative medicine, and in various other applications, including wound sealing and healing, 3D printing of biosimilar materials, or as cartilage replacements.

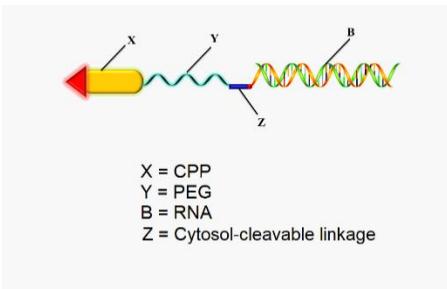
Functionally, JenKem Technology's PEG products for PEGylation include activated PEG derivatives for amine PEGylation, activated PEG derivatives for N-terminal PEGylation, and activated peg derivatives for thiol PEGylation. Structurally, JenKem Technology's PEG products include JenKem® proprietary Y-shape branched PEG derivatives; linear M-PEG derivatives with low diol content; homobifunctional PEG derivatives; heterobifunctional PEG derivatives; multi-arm homofunctional reactive PEGs for hydrogels, multi-arm heterofunctional PEG derivatives for ADC development, and biodegradable PEG co-polymers.

The following innovative PEG product lines launched in 2018 are currently offered as made-to-order items. Please contact us for details on these novel products:

## Novel Cell Penetrating Peptide-PEG Derivatives for Gene Delivery

- Novel activated Cell Penetrating Peptide-PEG derivatives for covalent coupling
- Application for intracellular delivery of molecules that cannot penetrate the cell membrane on their own
- Presence of PEG eliminates aggregation and sedimentation of RNA or DNA
- Cleavable linkage for cytosolic release of delivered molecule
- In vitro demonstrated cellular uptake of siRNA and high gene-silencing efficacy of delivered siRNA

Schematic of novel CPP-PEG drug delivery system for RNA delivery:



## Novel Technology for 3D-Printing of PEG-Based Hydrogels

- M-QTX novel photo-initiator with good water-solubility and biocompatibility, and low cytotoxicity
- Multiarm PEG and PEG-PCL acrylate and methacrylate derivatives for hydrogels
- Hydrogels 3D printed through SLA (stereolithography) at wavelength range of 380-420nm are transparent with well-defined shape
- Low toxicity, biocompatible hydrogels are suitable for tissue engineering and 3D cell culture

Pattern 3D printed from aqueous solution of 8ARM(TP)-ACLT-10K and M-QTX photoinitiator:



## PRODUCTS FOR AMINE PEGYLATION

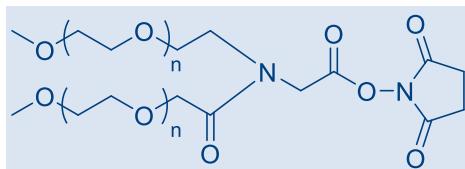
JenKem Technology provides high quality polyethylene glycol (PEG) derivatives for Amine PEGylation with high purity and low polydispersity.

JenKem Technology offers amine reactive PEGs with linear structure, Y-shape PEGs, U-shape PEGs, multiarm, and monodisperse PEGs. JenKem® proprietary Y-shape PEGs are more selective, due to their sterically bulky structure. JenKem Technology manufactures numerous NHS and Carboxyl PEGs for amine PEGylation.

JenKem Technology's NHS PEGs are categorized as PEG NHS Esters with stable linkers (such as M-SCM, M-SPA, M-SBA, M-SHA, M-SGA, M-SSA); PEG NHS Esters with carbonate linker (such as M-SC and M-NPC); and degradable PEGs with cleavable NHS ester linker (such as M-SS and M-SG).

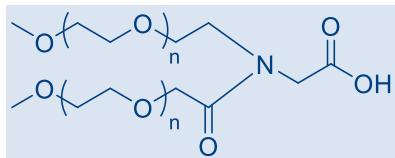
Amine PEGylation products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability of custom activated PEGs.

### Y-SHAPE PEG NHS ESTER



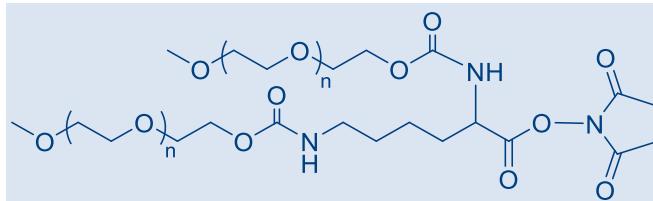
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A0001-1</b>	Y-NHS-40K,1g	Y-shape PEG NHS Ester, MW 40000	\$130
<b>A0001-10</b>	Y-NHS-40K,10g	Y-shape PEG NHS Ester, MW 40000	\$1,040

### Y-SHAPE PEG CARBOXYL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A0019-1</b>	Y-COOH-40K,1g	Y-shape PEG Carboxyl, MW 40000	\$120
<b>A0019-10</b>	Y-COOH-40K,10g	Y-shape PEG Carboxyl, MW 40000	\$960

### MPEG2 NHS ESTER

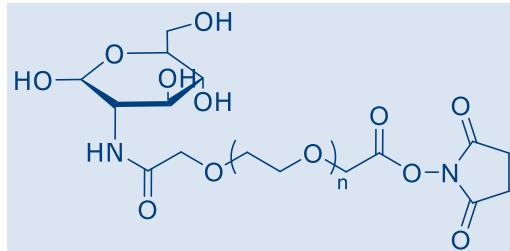


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A1003-1	MPEG2-NHS-40K,1g	MPEG2 NHS Ester, MW 40000	\$160
A1003-10	MPEG2-NHS-40K,10g	MPEG2 NHS Ester, MW 40000	\$1,280

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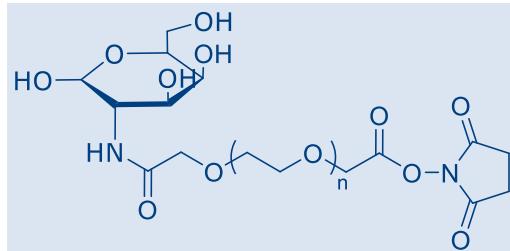
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A1001-1	MPEG2-NHS-20K,1g	MPEG2 NHS Ester, MW 20000	\$170
*A1001-10	MPEG2-NHS-20K,10g	MPEG2 NHS, MW 20000	\$1,360

### GLUCOSE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A2001-1	GLUC-SCM-35K,1g	Glucose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$150
A2001-10	GLUC-SCM-35K,10g	Glucose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$1,200

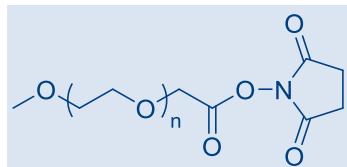
### GALACTOSE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A2002-1	GALA-SCM-35K,1g	Galactose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$200
*A2002-10	GALA-SCM-35K,10g	Galactose PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$1,600

### METHOXY PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

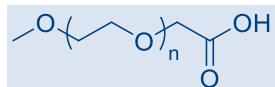


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A3072-1</b>	M-SCM-2000,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$110
<b>A3072-10</b>	M-SCM-2000,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$880
<b>A3105-1</b>	M-SCM-3000,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 3000	\$110
<b>A3105-10</b>	M-SCM-3000,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 3000	\$880
<b>A3012-1</b>	M-SCM-5000,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$110
<b>A3012-10</b>	M-SCM-5000,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$880
<b>A3016-1</b>	M-SCM-10K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 10000	\$110
<b>A3016-10</b>	M-SCM-10K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 10000	\$880
<b>A3003-1</b>	M-SCM-20K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 20000	\$110
<b>A3003-10</b>	M-SCM-20K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 20000	\$880
<b>A3041-1</b>	M-SCM-40K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 40000	\$130
<b>A3041-10</b>	M-SCM-40K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 40000	\$1,040

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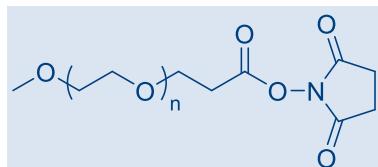
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A3004-1</b>	M-SCM-30K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 30000	\$110
<b>*A3004-10</b>	M-SCM-30K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 30000	\$880
<b>*A3005-1</b>	M-SCM-35K,1g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$110
<b>*A3005-10</b>	M-SCM-35K,10g	Methoxy PEG Succinimidyl Carboxymethyl Ester, MW 35000	\$880

### METHOXY PEG ACETIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A3070-1</b>	M-CM-5000,1g	Methoxy PEG Acetic Acid, MW 5000	\$100
<b>A3070-10</b>	M-CM-5000,10g	Methoxy PEG Acetic Acid, MW 5000	\$800
<b>A3081-1</b>	M-CM-10K,1g	Methoxy PEG Acetic Acid, MW 10000	\$100
<b>A3081-10</b>	M-CM-10K,10g	Methoxy PEG Acetic Acid, MW 10000	\$800
<b>A3089-1</b>	M-CM-20K,1g	Methoxy PEG Acetic Acid, MW 20000	\$100
<b>A3089-10</b>	M-CM-20K,10g	Methoxy PEG Acetic Acid, MW 20000	\$800

### METHOXY PEG SUCCINIMIDYL PROPIONATE

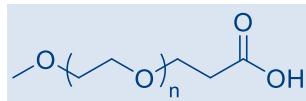


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A3013-1</b>	M-SPA-5000,1g	Methoxy PEG Succinimidyl Propionate, MW 5000	\$160
<b>A3013-10</b>	M-SPA-5000,10g	Methoxy PEG Succinimidyl Propionate, MW 5000	\$1,280

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3019-1	M-SPA-20K,1g	Methoxy PEG Succinimidyl Propionate, MW 20000	\$160
*A3019-10	M-SPA-20K,10g	Methoxy PEG Succinimidyl Propionate, MW 20000	\$1,280
*A3107-1	M-SPA-30K,1g	Methoxy PEG Succinimidyl Propionate, MW 30000	\$170
*A3107-10	M-SPA-30K,10g	Methoxy PEG Succinimidyl Propionate, MW 30000	\$1,360

### METHOXY PEG PROPIONIC ACID

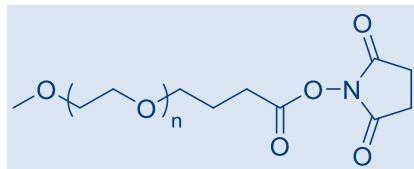


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3225-1	M-PA-5000,1g	Methoxy PEG Propionic Acid, MW 5000	\$150
A3225-10	M-PA-5000,10g	Methoxy PEG Propionic Acid, MW 5000	\$1,200

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A6023-1	M-PA-20K,1g	Methoxy PEG Propionic Acid, MW 20000	\$150
*A6023-10	M-PA-20K,10g	Methoxy PEG Propionic Acid, MW 20000	\$1,200
*A3226-1	M-PA-30K,1g	Methoxy PEG Propionic Acid, MW 30000	\$160
*A3226-10	M-PA-30K,10g	Methoxy PEG Propionic Acid, MW 30000	\$1,280

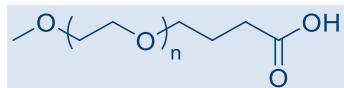
### METHOXY PEG SUCCINIMIDYL BUTANOATE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3144-1	M-SBA-20K,1g	Methoxy PEG Succinimidyl Butanoate, MW 20000	\$140
*A3144-10	M-SBA-20K,10g	Methoxy PEG Succinimidyl Butanoate, MW 20000	\$1,120

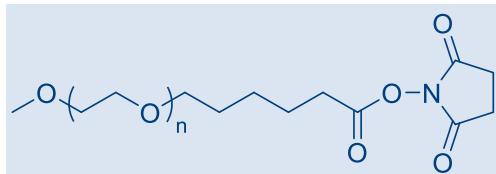
### METHOXY PEG BUTANOIC ACID



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A3227-1</b>	M-BA-20K,1g	Methoxy PEG Butanoic Acid, MW 20000	\$130
<b>*A3227-10</b>	M-BA-20K,10g	Methoxy PEG Butanoic Acid, MW 20000	\$1,040

## METHOXY PEG SUCCINIMIDYL HEXANOATE

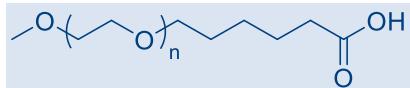


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A3148-1</b>	M-SHA-20K,1g	Methoxy PEG Succinimidyl Hexanoate, MW 20000	\$120
<b>A3148-10</b>	M-SHA-20K,10g	Methoxy PEG Succinimidyl Hexanoate, MW 20000	\$960
<b>A3103-1</b>	M-SHA-30K,1g	Methoxy PEG Succinimidyl Hexanoate, MW 30000	\$120
<b>A3103-10</b>	M-SHA-30K,10g	Methoxy PEG Succinimidyl Hexanoate, MW 30000	\$960

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A3146-1</b>	M-SHA-5000,1g	Methoxy PEG Succinimidyl Hexanoate, MW 5000	\$120
<b>*A3146-10</b>	M-SHA-5000,10g	Methoxy PEG Succinimidyl Hexanoate, MW 5000	\$960

## METHOXY PEG HEXANOIC ACID

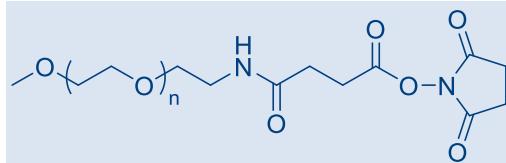


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A3147-1</b>	M-HA-20K,1g	Methoxy PEG Hexanoic Acid, MW 20000	\$100
<b>A3147-10</b>	M-HA-20K,10g	Methoxy PEG Hexanoic Acid, MW 20000	\$800
<b>A3259-1</b>	M-HA-30K,1g	Methoxy PEG Hexanoic Acid, MW 30000	\$100
<b>A3259-10</b>	M-HA-30K,10g	Methoxy PEG Hexanoic Acid, MW 30000	\$800

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A3145-1</b>	M-HA-5000,1g	Methoxy PEG Hexanoic Acid, MW 5000	\$100
<b>*A3145-10</b>	M-HA-5000,10g	Methoxy PEG Hexanoic Acid, MW 5000	\$800

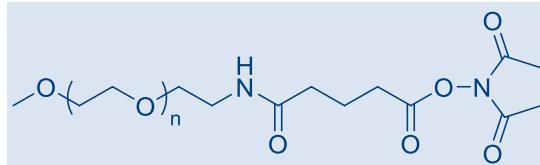
## METHOXY PEG SUCCINIMIDYL SUCCINAMIDE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3143-1	M-SSA-5000,1g	Methoxy PEG Succinimidyl Succinamide, MW 5000	\$120
*A3143-10	M-SSA-5000,10g	Methoxy PEG Succinimidyl Succinamide, MW 5000	\$960
*A3141-1	M-SSA-20K,1g	Methoxy PEG Succinimidyl Succinamide, MW 20000	\$120
*A3141-10	M-SSA-20K,10g	Methoxy PEG Succinimidyl Succinamide, MW 20000	\$960

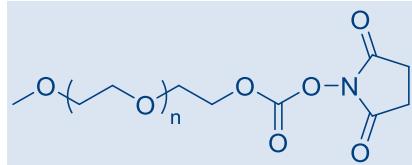
### METHOXY PEG SUCCINIMIDYL GLUTARAMIDE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

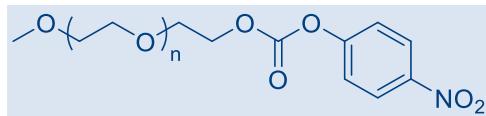
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3050-1	M-SGA-5000,1g	Methoxy PEG Succinimidyl Glutaramide, MW 5000	\$120
*A3050-10	M-SGA-5000,10g	Methoxy PEG Succinimidyl Glutaramide, MW 5000	\$960
*A3040-1	M-SGA-20K,1g	Methoxy PEG Succinimidyl Glutaramide, MW 20000	\$120
*A3040-10	M-SGA-20K,10g	Methoxy PEG Succinimidyl Glutaramide, MW 20000	\$960

### METHOXY PEG SUCCINIMIDYL CARBONATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3083-1	M-SC-10K,1g	Methoxy PEG Succinimidyl Carbonate, MW 10000	\$80
A3083-10	M-SC-10K,10g	Methoxy PEG Succinimidyl Carbonate, MW 10000	\$640
A3061-1	M-SC-12K,1g	Methoxy PEG Succinimidyl Carbonate, MW 12000	\$80
A3061-10	M-SC-12K,10g	Methoxy PEG Succinimidyl Carbonate, MW 12000	\$640
A3021-1	M-SC-20K,1g	Methoxy PEG Succinimidyl Carbonate, MW 20000	\$80
A3021-10	M-SC-20K,10g	Methoxy PEG Succinimidyl Carbonate, MW 20000	\$640

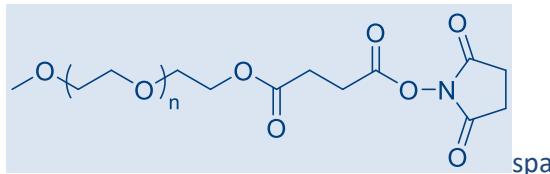
### METHOXY PEG NITROPHENYL CARBONATE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

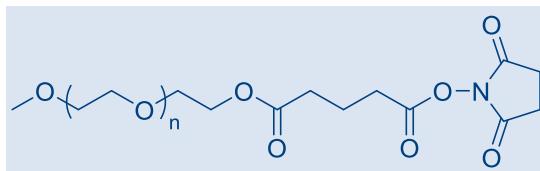
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3094-1	M-NPC-10K,1g	Methoxy PEG Nitrophenyl Carbonate, MW 10000	\$90
*A3094-10	M-NPC-10K,10g	Methoxy PEG Nitrophenyl Carbonate, MW 10000	\$720
*A3038-1	M-NPC-20K,1g	Methoxy PEG Nitrophenyl Carbonate, MW 20000	\$90
*A3038-10	M-NPC-20K,10g	Methoxy PEG Nitrophenyl Carbonate, MW 20000	\$720

## METHOXY PEG SUCCINIMIDYL SUCCINATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3011-1	M-SS-5000,1g	Methoxy PEG Succinimidyl Succinate, MW 5000	\$80
A3011-10	M-SS-5000,10g	Methoxy PEG Succinimidyl Succinate, MW 5000	\$640
A3022-1	M-SS-20K,1g	Methoxy PEG Succinimidyl Succinate, MW 20000	\$80
A3022-10	M-SS-20K,10g	Methoxy PEG Succinimidyl Succinate, MW 20000	\$640

## METHOXY PEG SUCCINIMIDYL GLUTARATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3101-1	M-SG-5000,1g	Methoxy PEG Succinimidyl Glutarate, MW 5000	\$80
A3101-10	M-SG-5000,10g	Methoxy PEG Succinimidyl Glutarate, MW 5000	\$640
A3031-1	M-SG-20K,1g	Methoxy PEG Succinimidyl Glutarate, MW 20000	\$80
A3031-10	M-SG-20K,10g	Methoxy PEG Succinimidyl Glutarate, MW 20000	\$640

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## PRODUCTS FOR THIOL PEGYLATION

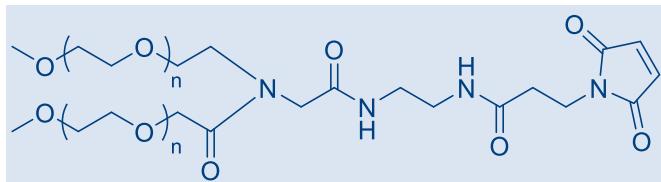
JenKem Technology provides high quality activated polyethylene glycol derivatives (PEGs) for Thiol PEGylation with high purity and low polydispersity.

Methoxy PEG Maleimide is selective for thiol groups on cysteine side chains. Y-shape PEG Maleimide is more selective, due to its sterically bulky structure. Methoxy PEG Vinylsulfone is a sulphydryl reactive PEG that reacts at high pH. Methoxy PEG Thiol polydisperse or monodisperse PEGs are reactive towards Thiol groups on cysteine side chains under mild reaction conditions. PolyLactide PEG Maleimide (PLA PEG Maleimide) is a biodegradable thiol reactive PEG copolymer, usually employed for controlled drug release.

Thiol PEGylation products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability of custom activated PEGs.

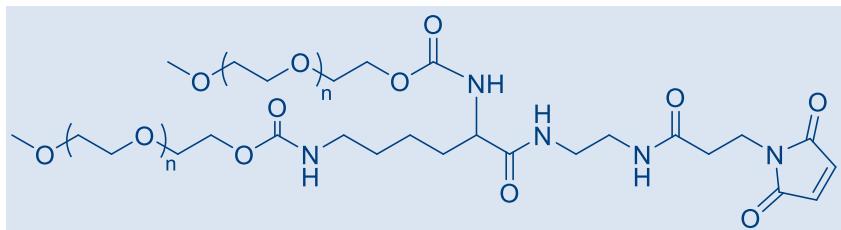
Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at [tech@jenkemusa.com](mailto:tech@jenkemusa.com).

## Y-SHAPE PEG MALEIMIDE



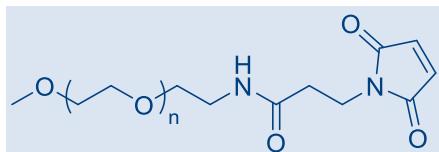
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A0002-1</b>	Y-MAL-40K,1g	Y-shape PEG Maleimide, MW 40000	\$170
<b>A0002-10</b>	Y-MAL-40K,10g	Y-shape PEG Maleimide, MW 40000	\$1,360

## MPEG2 MALEIMIDE



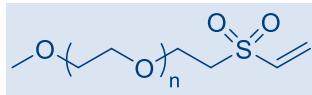
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A1009-1</b>	MPEG2-MAL-40K,1g	MPEG2 Maleimide, MW 40000	\$180
<b>A1009-10</b>	MPEG2-MAL-40K,10g	MPEG2 Maleimide, MW 40000	\$1,440

## METHOXY PEG MALEIMIDE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A3124-1</b>	M-MAL-2000,1g	Methoxy PEG Maleimide, MW 2000	\$130
<b>A3124-10</b>	M-MAL-2000,10g	Methoxy PEG Maleimide, MW 2000	\$1,040
<b>A3125-1</b>	M-MAL-5000,1g	Methoxy PEG Maleimide, MW 5000	\$130
<b>A3125-10</b>	M-MAL-5000,10g	Methoxy PEG Maleimide, MW 5000	\$1,040
<b>A3119-1</b>	M-MAL-10K,1g	Methoxy PEG Maleimide, MW 10000	\$130
<b>A3119-10</b>	M-MAL-10K,10g	Methoxy PEG Maleimide, MW 10000	\$1,040
<b>A3115-1</b>	M-MAL-20K,1g	Methoxy PEG Maleimide, MW 20000	\$130
<b>A3115-10</b>	M-MAL-20K,10g	Methoxy PEG Maleimide, MW 20000	\$1,040
<b>A3116-1</b>	M-MAL-30K,1g	Methoxy PEG Maleimide, MW 30000	\$130
<b>A3116-10</b>	M-MAL-30K,10g	Methoxy PEG Maleimide, MW 30000	\$1,040
<b>A3123-1</b>	M-MAL-40K,1g	Methoxy PEG Maleimide, MW 40000	\$160
<b>A3123-10</b>	M-MAL-40K,10g	Methoxy PEG Maleimide, MW 40000	\$1,280

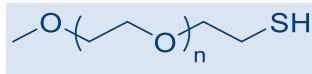
## METHOXY PEG VINYLSULFONE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A3034-1</b>	M-VS-5000,1g	Methoxy PEG Vinylsulfone, MW 5000	\$130
<b>*A3034-10</b>	M-VS-5000,10g	Methoxy PEG Vinylsulfone, MW 5000	\$1,040
<b>*A3006-1</b>	M-VS-20K,1g	Methoxy PEG Vinylsulfone, MW 20000	\$130
<b>*A3006-10</b>	M-VS-20K,10g	Methoxy PEG Vinylsulfone, MW 20000	\$1,040

## METHOXY PEG THIOL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A3029-1</b>	M-SH-5000,1g	Methoxy PEG Thiol, MW 5000	\$120
<b>A3029-10</b>	M-SH-5000,10g	Methoxy PEG Thiol, MW 5000	\$960

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A3007-1</b>	M-SH-20K,1g	Methoxy PEG Thiol, MW 20000	\$120
<b>*A3007-10</b>	M-SH-20K,10g	Methoxy PEG Thiol, MW 20000	\$960
<b>*A3095-1</b>	M-SH-30K,1g	Methoxy PEG Thiol, MW 30000	\$150
<b>*A3095-10</b>	M-SH-30K,10g	Methoxy PEG Thiol, MW 30000	\$1,200
<b>*A3051-1</b>	M-SH-40K,1g	Methoxy PEG Thiol, MW 40000	\$170
<b>*A3051-10</b>	M-SH-40K,10g	Methoxy PEG Thiol, MW 40000	\$1,360

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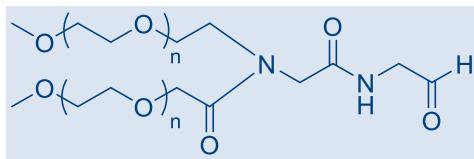
## PRODUCTS FOR N-TERMINAL PEGYLATION

JenKem Technology provides high quality polyethylene glycol (PEG) derivatives for N-Terminal PEGylation with high purity and low polydispersity.

JenKem Technology's activated PEG aldehydes for N-Terminal PEGylation, are reactive towards the N-Terminal amines influenced by the lower pKa of the N-Terminal amine in proteins. JenKem Technology's proprietary Y-shape PEGs are more selective, due to their sterically bulky structure. Y-shape Propionaldehyde PEG is reactive towards N-Terminal amines in the presence of a reducing reagent at pH 5-8; less selective but more reactive compared with Y-AALD-40K. Y-shape Acetaldehyde PEG is also an N-Terminal amine reactive PEG in the presence of a reducing reagent at pH 5-8; less reactive but more selective compared to linear PEG aldehydes. Methoxy PEG Propionaldehyde reacts with the N-Terminal at pH 5-8 in the presence of a reducing reagent.

N-Terminal PEGylation products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability of custom activated PEGs.

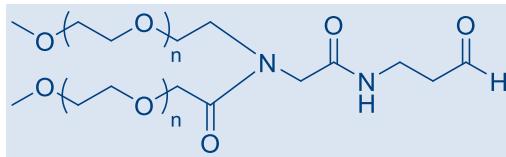
## Y-SHAPE PEG ACETALDEHYDE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

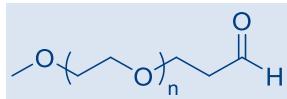
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A0003-1	Y-AALD-40K,1g	Y-shape PEG Acetaldehyde, MW 40000	\$170
*A0003-10	Y-AALD-40K,10g	Y-shape PEG Acetaldehyde, MW 40000	\$1,360

## Y-SHAPE PEG PROPIONALDEHYDE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A0017-1	Y-PALD-40K,1g	Y-shape PEG Propionaldehyde, MW 40000	\$170
A0017-10	Y-PALD-40K,10g	Y-shape PEG Propionaldehyde, MW 40000	\$1,360

## METHOXY PEG PROPIONALDEHYDE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3039-1	M-ALD-5000,1g	Methoxy PEG Propionaldehyde, MW 5000	\$120
A3039-10	M-ALD-5000,10g	Methoxy PEG Propionaldehyde, MW 5000	\$960
A3033-1	M-ALD-10K,1g	Methoxy PEG Propionaldehyde, MW 10000	\$120
A3033-10	M-ALD-10K,10g	Methoxy PEG Propionaldehyde, MW 10000	\$960
A3001-1	M-ALD-20K,1g	Methoxy PEG Propionaldehyde, MW 20000	\$120
A3001-10	M-ALD-20K,10g	Methoxy PEG Propionaldehyde, MW 20000	\$960
A3026-1	M-ALD-30K,1g	Methoxy PEG Propionaldehyde, MW 30000	\$130
A3026-10	M-ALD-30K,10g	Methoxy PEG Propionaldehyde, MW 30000	\$1,040
A3053-1	M-ALD-40K,1g	Methoxy PEG Propionaldehyde, MW 40000	\$150
A3053-10	M-ALD-40K,10g	Methoxy PEG Propionaldehyde, MW 40000	\$1,200

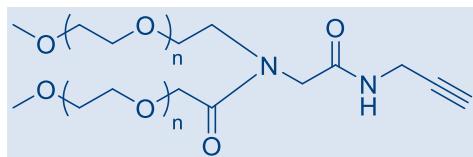
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## OTHER Y-SHAPE AND LINEAR METHOXY PEG DERIVATIVES

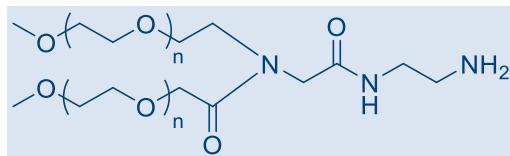
### Y-SHAPE PEG ALKYNE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A0026-1</b>	Y-ALKYNE-40K,1g	Y-shape PEG Alkyne, MW 40000	\$160
<b>*A0026-10</b>	Y-ALKYNE-40K,10g	Y-shape PEG Alkyne, MW 40000	\$1,280

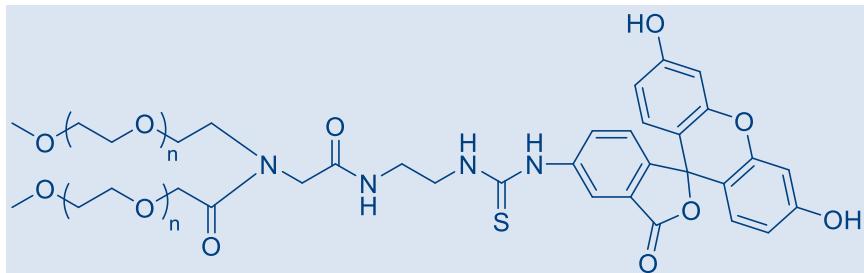
### Y-SHAPE PEG AMINE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A0010F-1	Y-NH2-40K,1g	Y-shape PEG Amine, MW 40000	\$160
*A0010F-10	Y-NH2-40K,10g	Y-shape PEG Amine, MW 40000	\$1,280

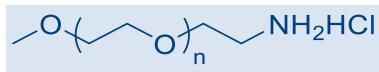
## Y-SHAPE PEG FLUORESCIN



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

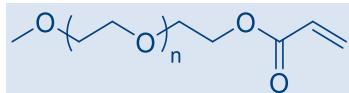
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A0014-1	Y-FITC-40K,1g	Y-shape PEG Fluorescein Isothiocyanate, MW 40000	\$250
*A0014-10	Y-FITC-40K,10g	Y-shape PEG Fluorescein Isothiocyanate, MW 40000	\$2,000

## METHOXY PEG AMINE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3071-1	M-NH2HCl-2000,1g	Methoxy PEG Amine, HCl Salt, MW 2000	\$50
A3071-10	M-NH2HCl-2000,10g	Methoxy PEG Amine, HCl Salt, MW 2000	\$400
A3085-1	M-NH2HCl-3000,1g	Methoxy PEG Amine, HCl Salt, MW 3000	\$50
A3085-10	M-NH2HCl-3000,10g	Methoxy PEG Amine, HCl Salt, MW 3000	\$400
A3035-1	M-NH2HCl-5000,1g	Methoxy PEG Amine, HCl Salt, MW 5000	\$50
A3035-10	M-NH2HCl-5000,10g	Methoxy PEG Amine, HCl Salt, MW 5000	\$400
A3052-1	M-NH2HCl-10K,1g	Methoxy PEG Amine, HCl Salt, MW 10000	\$50
A3052-10	M-NH2HCl-10K,10g	Methoxy PEG Amine, HCl Salt, MW 10000	\$400
A3008-1	M-NH2HCl-20K,1g	Methoxy PEG Amine, HCl Salt, MW 20000	\$50
A3008-10	M-NH2HCl-20K,10g	Methoxy PEG Amine, HCl Salt, MW 20000	\$400
A3043-1	M-NH2HCl-30K,1g	Methoxy PEG Amine, HCl Salt, MW 30000	\$60
A3043-10	M-NH2HCl-30K,10g	Methoxy PEG Amine, HCl Salt, MW 30000	\$480
A3049-1	M-NH2HCl-40K,1g	Methoxy PEG Amine, HCl Salt, MW 40000	\$80
A3049-10	M-NH2HCl-40K,10g	Methoxy PEG Amine, HCl Salt, MW 40000	\$640

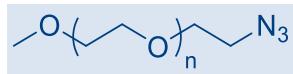
## METHOXY PEG ACRYLATE



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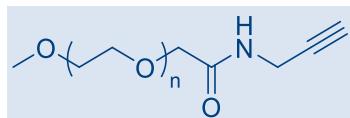
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3098-1	M-ACLT-5000,1g	Methoxy PEG Acrylate, MW 5000	\$80
*A3098-10	M-ACLT-5000,10g	Methoxy PEG Acrylate, MW 5000	\$640
*A3099-1	M-ACLT-20K,1g	Methoxy PEG Acrylate, MW 20000	\$80
*A3099-10	M-ACLT-20K,10g	Methoxy PEG Acrylate, MW 20000	\$640

### METHOXY PEG AZIDE



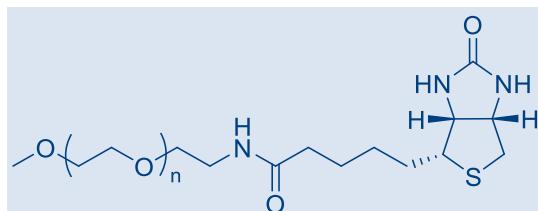
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3082-1	M-AZIDE-5000,1g	Methoxy PEG Azide, MW 5000	\$100
A3082-10	M-AZIDE-5000,10g	Methoxy PEG Azide, MW 5000	\$800
A3093-1	M-AZIDE-20K,1g	Methoxy PEG Azide, MW 20000	\$100
A3093-10	M-AZIDE-20K,10g	Methoxy PEG Azide, MW 20000	\$800

### METHOXY PEG ALKYNE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3177-1	M-ALKYNE-5000,1g	Methoxy PEG Alkyne, MW 5000	\$140
A3177-10	M-ALKYNE-5000,10g	Methoxy PEG Alkyne, MW 5000	\$1,120

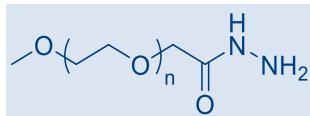
### METHOXY PEG BIOTIN



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3097-1	M-BIOTIN-5000,1g	Methoxy PEG Biotin, MW 5000	\$180
*A3097-10	M-BIOTIN-5000,10g	Methoxy PEG Biotin, MW 5000	\$1,440
*A3048-1	M-BIOTIN-20K,1g	Methoxy PEG Biotin, MW 20000	\$180
*A3048-10	M-BIOTIN-20K,10g	Methoxy PEG Biotin, MW 20000	\$1,440

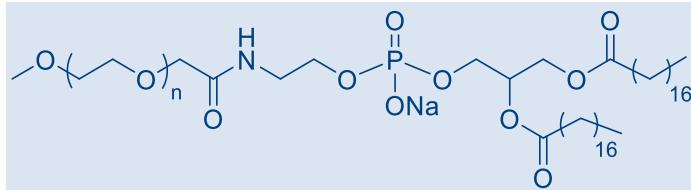
## METHOXY PEG HYDRAZIDE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3060-1	M-HZ-5000,1g	Methoxy PEG Hydrazide, MW 5000	\$120
*A3060-10	M-HZ-5000,10g	Methoxy PEG Hydrazide, MW 5000	\$960
*A3096-1	M-HZ-10K,1g	Methoxy PEG Hydrazide, MW 10000	\$120
*A3096-10	M-HZ-10K,10g	Methoxy PEG Hydrazide, MW 10000	\$960
*A3059-1	M-HZ-20K,1g	Methoxy PEG Hydrazide, MW 20000	\$120
*A3059-10	M-HZ-20K,10g	Methoxy PEG Hydrazide, MW 20000	\$960
*A3065-1	M-HZ-30K,1g	Methoxy PEG Hydrazide, MW 30000	\$140
*A3065-10	M-HZ-30K,10g	Methoxy PEG Hydrazide, MW 30000	\$1,120
*A3165F-1	M-HZ-40K,1g	Methoxy PEG Hydrazide, MW 40000	\$140
*A3165F-10	M-HZ-40K,10g	Methoxy PEG Hydrazide, MW 40000	\$1,120

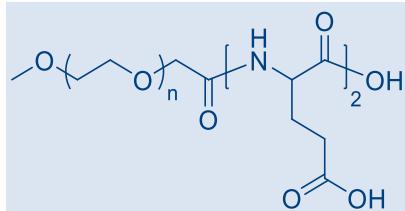
## METHOXY PEG DSPE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3140-1	M-DSPE-5000,1g	Methoxy PEG DSPE, MW 5000	\$130
*A3140-10	M-DSPE-5000,10g	Methoxy PEG DSPE, MW 5000	\$1,040

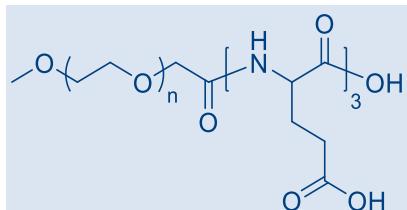
## METHOXY PEG DI-GLUTAMIC ACID



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3156-1	M-GLU2-20K,1g	Methoxy PEG di-Glutamic Acid, MW 20000	\$120
*A3156-10	M-GLU2-20K,10g	Methoxy PEG di-Glutamic Acid, MW 20000	\$960

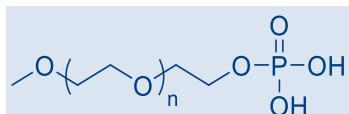
## METHOXY PEG TRI-GLUTAMIC ACID



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

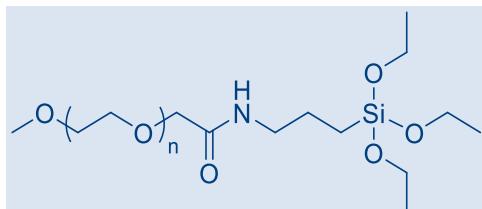
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3157-1	M-GLU3-20K,1g	Methoxy PEG tri-Glutamic Acid, MW 20000	\$150
*A3157-10	M-GLU3-20K,10g	Methoxy PEG tri-Glutamic Acid, MW 20000	\$1,200

## METHOXY PEG PHOSPHATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3106-1	M-PHOS-5000,1g	Methoxy PEG Phosphate, MW 5000	\$120
A3106-10	M-PHOS-5000,10g	Methoxy PEG Phosphate, MW 5000	\$960

## METHOXY PEG SILANE

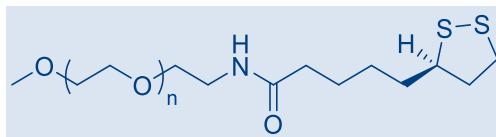


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A3037-1	M-SLN-5000,1g	Methoxy PEG Silane, MW 5000	\$130
A3037-10	M-SLN-5000,10g	Methoxy PEG Silane, MW 5000	\$1,040

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3100-1	M-SLN-20K,1g	Methoxy PEG Silane, MW 20000	\$130
*A3100-10	M-SLN-20K,10g	Methoxy PEG Silane, MW 20000	\$1,040

## METHOXY PEG THIOCTIC ACID



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A3076-1	M-TA-2000,1g	Methoxy PEG Thioctic Acid, MW 2000	\$200
*A3076-10	M-TA-2000,10g	Methoxy PEG Thioctic Acid, MW 2000	\$1,600

## REFERENCES:

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22. Gonzalez-Villegas, J., et al., Poly (ethylene glycol)-modified zirconium phosphate nanoplatelets for improved doxorubicin delivery, *Inorganica Chimica Acta*, 2017.
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24. Yu, L., et al., Ultrasmall mesoporous organosilica nanoparticles: Morphology modulations and redox-responsive biodegradability for tumor-specific drug delivery, *Biomaterials* 2018, V. 161.

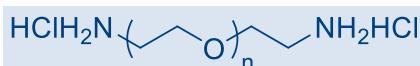
## HOMOBIFUNCTIONAL PEG DERIVATIVES

JenKem Technology provides high quality activated homobifunctional polyethylene glycol derivatives (PEGs) with high purity and low polydispersity.

JenKem Technology homobifunctional PEG derivatives have numerous applications as cross-linkers, including for PEGylation of proteins and peptides, or nanoparticle and surface modifications. Homobifunctional PEG derivatives have the general structure: X—PEG—X, where X is a functional or reactive group.

Homobifunctional PEG products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability of custom activated PEGs.

### AMINE PEG AMINE

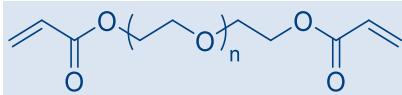


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A4015-1</b>	NH2HCl-PEG2000-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 2000	\$60
<b>A4015-5</b>	NH2HCl-PEG2000-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 2000	\$240
<b>A4016-1</b>	NH2HCl-PEG3500-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 3500	\$60
<b>A4016-5</b>	NH2HCl-PEG3500-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 3500	\$240
<b>A4017-1</b>	NH2HCl-PEG5000-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 5000	\$60
<b>A4017-5</b>	NH2HCl-PEG5000-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 5000	\$240

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A4018-1</b>	NH2HCl-PEG7500-NH2HCl,1g	PEG (Amine)2, HCl Salt, MW 7500	\$60
<b>*A4018-5</b>	NH2HCl-PEG7500-NH2HCl,5g	PEG (Amine)2, HCl Salt, MW 7500	\$240

### ACRYLATE PEG ACRYLATE

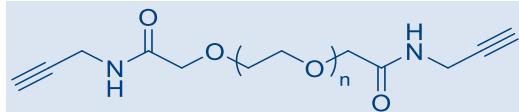


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A4047-1</b>	ACLT-PEG2000-ACLT,1g	PEG (Acrylate)2, MW 2000	\$100
<b>A4047-5</b>	ACLT-PEG2000-ACLT,5g	PEG (Acrylate)2, MW 2000	\$400
<b>A4048-1</b>	ACLT-PEG3500-ACLT,1g	PEG (Acrylate)2, MW 3500	\$100
<b>A4048-5</b>	ACLT-PEG3500-ACLT,5g	PEG (Acrylate)2, MW 3500	\$400

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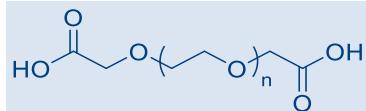
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4049-1	ACLT-PEG5000-ACLT,1g	PEG (Acrylate)2, MW 5000	\$100
*A4049-5	ACLT-PEG5000-ACLT,5g	PEG (Acrylate)2, MW 5000	\$400
*A4050-1	ACLT-PEG7500-ACLT,1g	PEG (Acrylate)2, MW 7500	\$100
*A4050-5	ACLT-PEG7500-ACLT,5g	PEG (Acrylate)2, MW 7500	\$400

## ALKYNE PEG ALKYNE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4095-1	ALKYNE-PEG5000-ALKYNE,1g	PEG (Alkyne)2, MW 5000	\$140
A4095-5	ALKYNE-PEG5000-ALKYNE,5g	PEG (Alkyne)2, MW 5000	\$560

## ACETIC ACID PEG ACETIC ACID

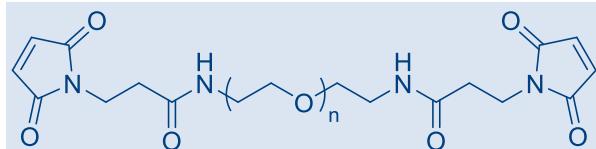


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4003-1	CM-PEG2000-CM,1g	PEG (Acetic Acid)2, MW 2000	\$80
A4003-5	CM-PEG2000-CM,5g	PEG (Acetic Acid)2, MW 2000	\$320
A4004-1	CM-PEG3500-CM,1g	PEG (Acetic Acid)2, MW 3500	\$80
A4004-5	CM-PEG3500-CM,5g	PEG (Acetic Acid)2, MW 3500	\$320
A4005-1	CM-PEG5000-CM,1g	PEG (Acetic Acid)2, MW 5000	\$80
A4005-5	CM-PEG5000-CM,5g	PEG (Acetic Acid)2, MW 5000	\$320

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4006-1	CM-PEG7500-CM,1g	PEG (Acetic Acid)2, MW 7500	\$80
*A4006-5	CM-PEG7500-CM,5g	PEG (Acetic Acid)2, MW 7500	\$320

## MALEIMIDE PEG MALEIMIDE



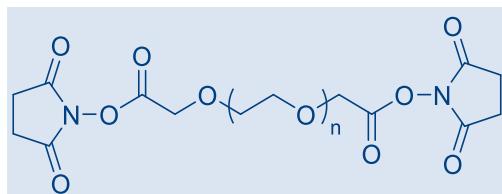
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A4011-1	MAL-PEG2000-MAL,1g	PEG (Maleimide)2, MW 2000	\$140
A4011-5	MAL-PEG2000-MAL,5g	PEG (Maleimide)2, MW 2000	\$560

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A4010-1</b>	MAL-PEG3500-MAL,1g	PEG (Maleimide)2, MW 3500	\$140
<b>A4010-5</b>	MAL-PEG3500-MAL,5g	PEG (Maleimide)2, MW 3500	\$560
<b>A4009-1</b>	MAL-PEG5000-MAL,1g	PEG (Maleimide)2, MW 5000	\$140
<b>A4009-5</b>	MAL-PEG5000-MAL,5g	PEG (Maleimide)2, MW 5000	\$560

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A4014-1</b>	MAL-PEG7500-MAL,1g	PEG (Maleimide)2, MW 7500	\$140
* <b>A4014-5</b>	MAL-PEG7500-MAL,5g	PEG (Maleimide)2, MW 7500	\$560

### PEG (SUCCINIMIDYL CARBOXYMETHYL ESTER)2

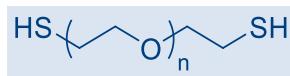


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A4051-1</b>	SCM-PEG2000-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 2000	\$100
<b>A4051-5</b>	SCM-PEG2000-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 2000	\$400
<b>A4052-1</b>	SCM-PEG3500-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 3500	\$100
<b>A4052-5</b>	SCM-PEG3500-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 3500	\$400
<b>A4013-1</b>	SCM-PEG5000-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 5000	\$100
<b>A4013-5</b>	SCM-PEG5000-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 5000	\$400

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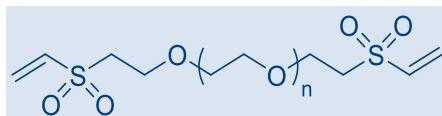
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A4053-1</b>	SCM-PEG7500-SCM,1g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 7500	\$100
* <b>A4053-5</b>	SCM-PEG7500-SCM,5g	PEG (Succinimidyl Carboxymethyl Ester)2, MW 7500	\$400

### THIOL PEG THIOL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A4001-1</b>	HS-PEG3500-SH,1g	PEG (Thiol)2, MW 3500	\$120
<b>A4001-5</b>	HS-PEG3500-SH,5g	PEG (Thiol)2, MW 3500	\$480
<b>A4075-1</b>	HS-PEG5000-SH,1g	PEG (Thiol)2, MW 5000	\$120
<b>A4075-5</b>	HS-PEG5000-SH,5g	PEG (Thiol)2, MW 5000	\$480

## VINYLSULFONE PEG VINYLSULFONE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A4076-1	VS-PEG3500-VS,1g	PEG (Vinylsulfone)2, MW 3500	\$150
*A4076-5	VS-PEG3500-VS,5g	PEG (Vinylsulfone)2, MW 3500	\$600
*A4077-1	VS-PEG5000-VS,1g	PEG (Vinylsulfone)2, MW 5000	\$150
*A4077-5	VS-PEG5000-VS,5g	PEG (Vinylsulfone)2, MW 5000	\$600

## REFERENCES:

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## HETEROBIFUNCTIONAL PEG DERIVATIVES

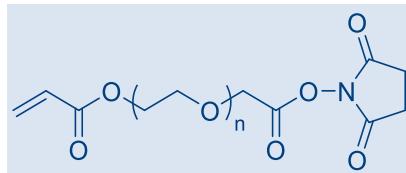
JenKem Technology provides high quality heterobifunctional glycol derivatives (PEGs) with high purity and low polydispersity. JenKem Technology's heterobifunctional PEG derivatives are generally employed as crosslinking agents or as spacers between two different chemical entities. The PEG moiety in the heterobifunctional PEG derivatives provides water solubility, biocompatibility, and flexibility to the linker. Heterobifunctional PEG derivatives have the following general structure:

X-PEG-Y, where X and Y are two different functional or reactive groups.

JenKem Technology's heterofunctional PEG Derivatives are useful as linkers for Antibody-Drug Conjugates or ADCs. ADCs conjugated via heterobifunctional PEGs exhibit improved water solubility and PK/PD profile.

Heterobifunctional PEG products with molecular weights, branching, and functional groups not listed in our catalog may be available by custom synthesis. GMP grade bulk products may also be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability of custom activated PEGs.

### ACRYLATE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

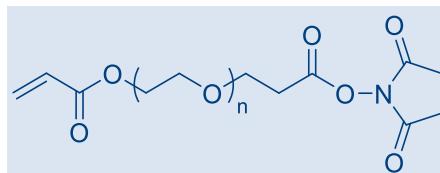


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5021-1</b>	ACLT-PEG2000-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$350
<b>A5021-5</b>	ACLT-PEG2000-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,400
<b>A5022-1</b>	ACLT-PEG3500-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$330
<b>A5022-5</b>	ACLT-PEG3500-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,320
<b>A5023-1</b>	ACLT-PEG5000-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$330
<b>A5023-5</b>	ACLT-PEG5000-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,320

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A5024-1</b>	ACLT-PEG7500-SCM,1g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$330
* <b>A5024-5</b>	ACLT-PEG7500-SCM,5g	Acrylate PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,320

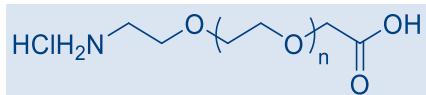
### ACRYLATE PEG SUCCINIMIDYL PROPIONATE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5320-1	ACLT-PEG3500-SPA,1g	Acrylate PEG Succinimidyl Propionate, MW 3500	\$396
*A5320-5	ACLT-PEG3500-SPA,5g	Acrylate PEG Succinimidyl Propionate, MW 3500	\$1,584
*A5321-1	ACLT-PEG5000-SPA,1g	Acrylate PEG Succinimidyl Propionate, MW 5000	\$396
*A5321-5	ACLT-PEG5000-SPA,5g	Acrylate PEG Succinimidyl Propionate, MW 5000	\$1,584

## AMINE PEG ACETIC ACID

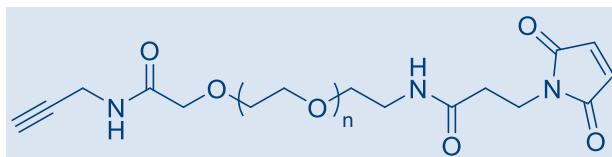


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5017-1	NH2HCl-PEG2000-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 2000	\$280
A5017-5	NH2HCl-PEG2000-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 2000	\$1,120
A5018-1	NH2HCl-PEG3500-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 3500	\$280
A5018-5	NH2HCl-PEG3500-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 3500	\$1,120
A5019-1	NH2HCl-PEG5000-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 5000	\$280
A5019-5	NH2HCl-PEG5000-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 5000	\$1,120

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5236-1	NH2HCl-PEG1000-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 1000	\$350
*A5236-5	NH2HCl-PEG1000-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 1000	\$1,400
*A5020-1	NH2HCl-PEG7500-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 7500	\$280
*A5020-5	NH2HCl-PEG7500-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 7500	\$1,120
*A5159-1	NH2HCl-PEG10K-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 10000	\$350
*A5159-5	NH2HCl-PEG10K-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 10000	\$1,400
*A5160-1	NH2HCl-PEG20K-CM,1g	Amine PEG Acetic Acid, HCl Salt, MW 20000	\$350
*A5160-5	NH2HCl-PEG20K-CM,5g	Amine PEG Acetic Acid, HCl Salt, MW 20000	\$1,400

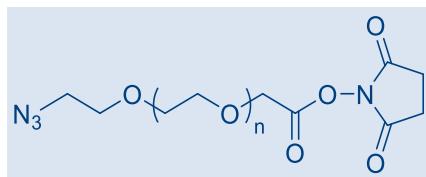
## ALKYNE PEG MALEIMIDE



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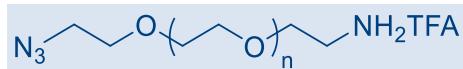
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5290-1	ALKYNE-PEG3500-MAL,1g	Alkyne PEG Maleimide, MW 3500	\$500
*A5290-5	ALKYNE-PEG3500-MAL,5g	Alkyne PEG Maleimide, MW 3500	\$2,000

## AZIDE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



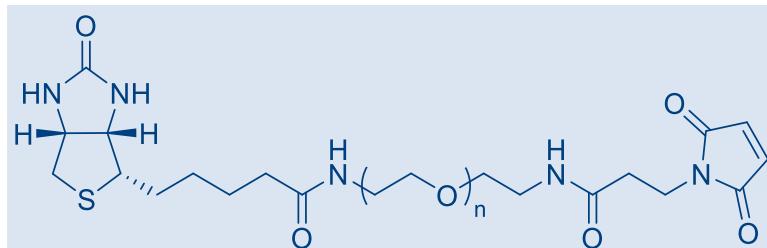
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5086-1</b>	AZIDE-PEG3500-SCM,1g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$500
<b>A5086-5</b>	AZIDE-PEG3500-SCM,5g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$2,000
<b>A5088-1</b>	AZIDE-PEG5000-SCM,1g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$500
<b>A5088-5</b>	AZIDE-PEG5000-SCM,5g	Azide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$2,000

## AZIDE PEG AMINE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5238-1</b>	AZIDE-PEG3500-NH2TFA,1g	Azide PEG Amine, TFA Salt, MW 3500	\$400
<b>A5238-5</b>	AZIDE-PEG3500-NH2TFA,5g	Azide PEG Amine, TFA Salt, MW 3500	\$1,600
<b>A5239-1</b>	AZIDE-PEG5000-NH2TFA,1g	Azide PEG Amine, TFA Salt, MW 5000	\$400
<b>A5239-5</b>	AZIDE-PEG5000-NH2TFA,5g	Azide PEG Amine, TFA Salt, MW 5000	\$1,600

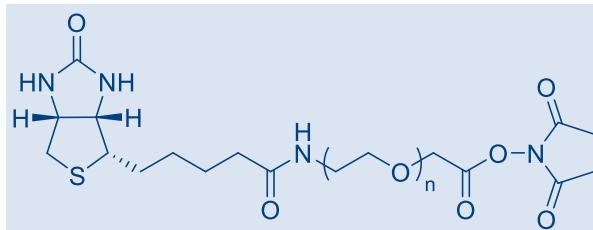
## BIOTIN PEG MALEIMIDE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A5029-1</b>	BIOTIN-PEG2000-MAL,1g	Biotin PEG Maleimide, MW 2000	\$550
<b>*A5029-5</b>	BIOTIN-PEG2000-MAL,5g	Biotin PEG Maleimide, MW 2000	\$2,200
<b>*A5030-1</b>	BIOTIN-PEG3500-MAL,1g	Biotin PEG Maleimide, MW 3500	\$550
<b>*A5030-5</b>	BIOTIN-PEG3500-MAL,5g	Biotin PEG Maleimide, MW 3500	\$2,200
<b>*A5031-1</b>	BIOTIN-PEG5000-MAL,1g	Biotin PEG Maleimide, MW 5000	\$550
<b>*A5031-5</b>	BIOTIN-PEG5000-MAL,5g	Biotin PEG Maleimide, MW 5000	\$2,200
<b>*A5032-1</b>	BIOTIN-PEG7500-MAL,1g	Biotin PEG Maleimide, MW 7500	\$550
<b>*A5032-5</b>	BIOTIN-PEG7500-MAL,5g	Biotin PEG Maleimide, MW 7500	\$2,200

## BIOTIN PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

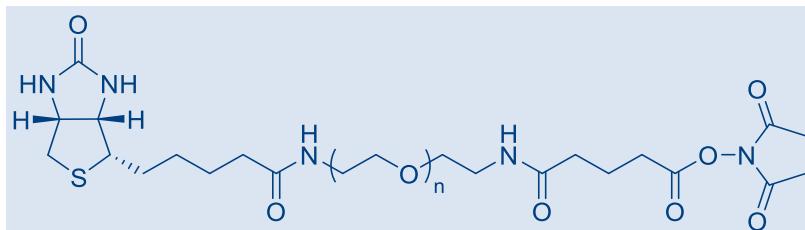


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5025-1</b>	BIOTIN-PEG2000-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$500
<b>A5025-5</b>	BIOTIN-PEG2000-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$2,000

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A5026-1</b>	BIOTIN-PEG3500-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$500
<b>*A5026-5</b>	BIOTIN-PEG3500-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$2,000
<b>*A5027-1</b>	BIOTIN-PEG5000-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$500
<b>*A5027-5</b>	BIOTIN-PEG5000-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$2,000
<b>*A5028-1</b>	BIOTIN-PEG7500-SCM,1g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$500
<b>*A5028-5</b>	BIOTIN-PEG7500-SCM,5g	Biotin PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$2,000

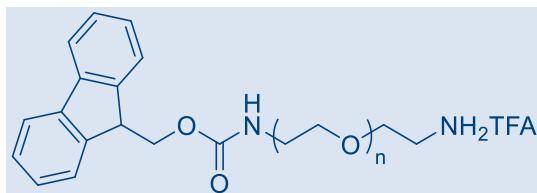
## BIOTIN PEG SUCCINIMIDYL GLUTARAMIDE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A5057-1</b>	BIOTIN-PEG3500-SGA,1g	Biotin PEG Succinimidyl Glutaramide, MW 3500	\$550
<b>*A5057-5</b>	BIOTIN-PEG3500-SGA,5g	Biotin PEG Succinimidyl Glutaramide, MW 3500	\$2,200

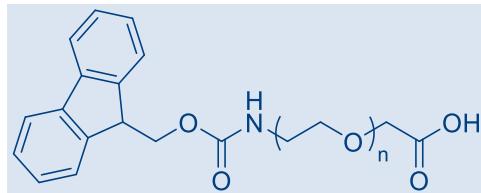
## FMOC AMINE PEG AMINE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5138-1	FMOC-PEG2000-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 2000	\$300
*A5138-5	FMOC-PEG2000-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 2000	\$1,200
*A5139-1	FMOC-PEG3500-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 3500	\$300
*A5139-5	FMOC-PEG3500-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 3500	\$1,200
*A5140-1	FMOC-PEG5000-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 5000	\$300
*A5140-5	FMOC-PEG5000-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 5000	\$1,200
*A5141-1	FMOC-PEG7500-NH2TFA,1g	Fmoc Amine PEG Amine, TFA Salt, MW 7500	\$300
*A5141-5	FMOC-PEG7500-NH2TFA,5g	Fmoc Amine PEG Amine, TFA Salt, MW 7500	\$1,200

### FMOC AMINE PEG ACETIC ACID

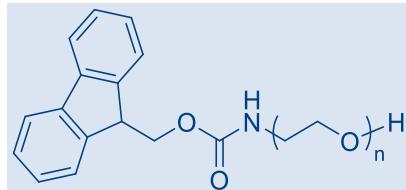


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5081-1	FMOC-PEG2000-CM,1g	Fmoc Amine PEG Acetic Acid, MW 2000	\$375
A5081-5	FMOC-PEG2000-CM,5g	Fmoc Amine PEG Acetic Acid, MW 2000	\$1,500

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5135-1	FMOC-PEG3500-CM,1g	Fmoc Amine PEG Acetic Acid, MW 3500	\$375
*A5135-5	FMOC-PEG3500-CM,5g	Fmoc Amine PEG Acetic Acid, MW 3500	\$1,500
*A5136-1	FMOC-PEG5000-CM,1g	Fmoc Amine PEG Acetic Acid, MW 5000	\$375
*A5136-5	FMOC-PEG5000-CM,5g	Fmoc Amine PEG Acetic Acid, MW 5000	\$1,500
*A5137-1	FMOC-PEG7500-CM,1g	Fmoc Amine PEG Acetic Acid, MW 7500	\$375
*A5137-5	FMOC-PEG7500-CM,5g	Fmoc Amine PEG Acetic Acid, MW 7500	\$1,500

### FMOC AMINE PEG HYDROXYL

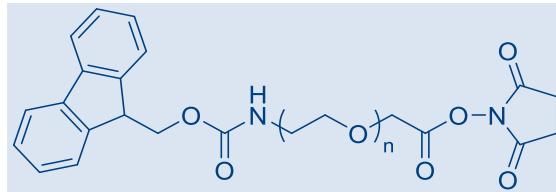


Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at [tech@jenkemusa.com](mailto:tech@jenkemusa.com).

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5131-1	FMOC-PEG2000-OH,1g	Fmoc Amine PEG Hydroxyl, MW 2000	\$250
*A5131-5	FMOC-PEG2000-OH,5g	Fmoc Amine PEG Hydroxyl, MW 2000	\$1,000
*A5129-1	FMOC-PEG3500-OH,1g	Fmoc Amine PEG Hydroxyl, MW 3500	\$250
*A5129-5	FMOC-PEG3500-OH,5g	Fmoc Amine PEG Hydroxyl, MW 3500	\$1,000
*A5128-1	FMOC-PEG5000-OH,1g	Fmoc Amine PEG Hydroxyl, MW 5000	\$250
*A5128-5	FMOC-PEG5000-OH,5g	Fmoc Amine PEG Hydroxyl, MW 5000	\$1,000
*A5130-1	FMOC-PEG7500-OH,1g	Fmoc Amine PEG Hydroxyl, MW 7500	\$250
*A5130-5	FMOC-PEG7500-OH,5g	Fmoc Amine PEG Hydroxyl, MW 7500	\$1,000

#### FMOC AMINE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

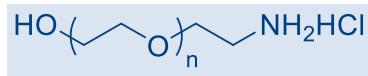


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5049-1	FMOC-PEG2000-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$400
A5049-5	FMOC-PEG2000-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,600

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5050-1	FMOC-PEG3500-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$400
*A5050-5	FMOC-PEG3500-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,600
*A5051-1	FMOC-PEG5000-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$400
*A5051-5	FMOC-PEG5000-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,600
*A5052-1	FMOC-PEG7500-SCM,1g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$400
*A5052-5	FMOC-PEG7500-SCM,5g	Fmoc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,600

#### HYDROXYL PEG AMINE

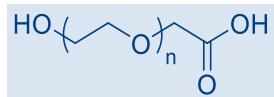


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5013-1	HO-PEG2000-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 2000	\$200
A5013-5	HO-PEG2000-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 2000	\$800
A5014-1	HO-PEG3500-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 3500	\$200
A5014-5	HO-PEG3500-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 3500	\$800
A5015-1	HO-PEG5000-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 5000	\$200
A5015-5	HO-PEG5000-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 5000	\$800

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5234-1	HO-PEG1000-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 1000	\$300
*A5234-5	HO-PEG1000-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 1000	\$1,200
*A5016-1	HO-PEG7500-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 7500	\$200
*A5016-5	HO-PEG7500-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 7500	\$800
*A5157-1	HO-PEG10K-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 10000	\$200
*A5157-5	HO-PEG10K-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 10000	\$800
*A5158-1	HO-PEG20K-NH2HCl,1g	Hydroxyl PEG Amine, HCl Salt, MW 20000	\$200
*A5158-5	HO-PEG20K-NH2HCl,5g	Hydroxyl PEG Amine, HCl Salt, MW 20000	\$800

### HYDROXYL PEG ACETIC ACID

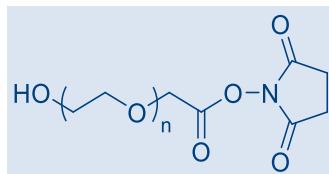


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5009-1	HO-PEG2000-CM,1g	Hydroxyl PEG Acetic Acid, MW 2000	\$200
A5009-5	HO-PEG2000-CM,5g	Hydroxyl PEG Acetic Acid, MW 2000	\$800
A5010-1	HO-PEG3500-CM,1g	Hydroxyl PEG Acetic Acid, MW 3500	\$200
A5010-5	HO-PEG3500-CM,5g	Hydroxyl PEG Acetic Acid, MW 3500	\$800
A5011-1	HO-PEG5000-CM,1g	Hydroxyl PEG Acetic Acid, MW 5000	\$200
A5011-5	HO-PEG5000-CM,5g	Hydroxyl PEG Acetic Acid, MW 5000	\$800

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5233-1	HO-PEG1000-CM,1g	Hydroxyl PEG Acetic Acid, MW 1000	\$300
*A5233-5	HO-PEG1000-CM,5g	Hydroxyl PEG Acetic Acid, MW 1000	\$1,200
*A5012-1	HO-PEG7500-CM,1g	Hydroxyl PEG Acetic Acid, MW 7500	\$200
*A5012-5	HO-PEG7500-CM,5g	Hydroxyl PEG Acetic Acid, MW 7500	\$800
*A5155-1	HO-PEG10K-CM,1g	Hydroxyl PEG Acetic Acid, MW 10000	\$250
*A5155-5	HO-PEG10K-CM,5g	Hydroxyl PEG Acetic Acid, MW 10000	\$1,000
*A5156-1	HO-PEG20K-CM,1g	Hydroxyl PEG Acetic Acid, MW 20000	\$300
*A5156-5	HO-PEG20K-CM,5g	Hydroxyl PEG Acetic Acid, MW 20000	\$1,200

### HYDROXYL PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

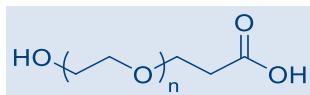


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5078-1</b>	HO-PEG5000-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$250
<b>A5078-5</b>	HO-PEG5000-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,000

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5076-1	HO-PEG2000-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$250
*A5076-5	HO-PEG2000-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,000
*A5077-1	HO-PEG3500-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$250
*A5077-5	HO-PEG3500-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,000
*A5079-1	HO-PEG7500-SCM,1g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$250
*A5079-5	HO-PEG7500-SCM,5g	Hydroxyl PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,000

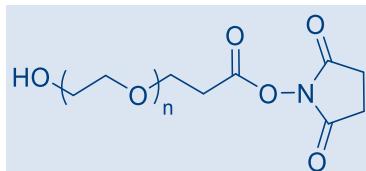
### HYDROXYL PEG PROPIONIC ACID



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5324-1	HO-PEG3500-PA,1g	Hydroxyl PEG Propionic Acid, MW 3500	\$300
*A5324-5	HO-PEG3500-PA,5g	Hydroxyl PEG Propionic Acid, MW 3500	\$1,200
*A5325-1	HO-PEG5000-PA,1g	Hydroxyl PEG Propionic Acid, MW 5000	\$300
*A5325-5	HO-PEG5000-PA,5g	Hydroxyl PEG Propionic Acid, MW 5000	\$1,200

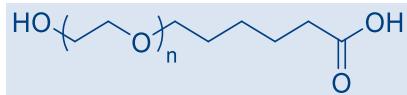
### HYDROXYL PEG SUCCINIMIDYL PROPIONATE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5326-1	HO-PEG3500-SPA,1g	Hydroxyl PEG Succinimidyl Propionate, MW 3500	\$350
*A5326-5	HO-PEG3500-SPA,5g	Hydroxyl PEG Succinimidyl Propionate, MW 3500	\$1,400
*A5327-1	HO-PEG5000-SPA,1g	Hydroxyl PEG Succinimidyl Propionate, MW 5000	\$350
*A5327-5	HO-PEG5000-SPA,5g	Hydroxyl PEG Succinimidyl Propionate, MW 5000	\$1,400

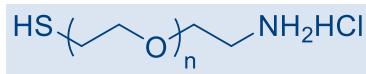
## HYDROXYL PEG HEXANOIC ACID



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A5187-1</b>	HO-PEG5000-HA,1g	Hydroxyl PEG Hexanoic Acid, MW 5000	\$300
<b>*A5187-5</b>	HO-PEG5000-HA,5g	Hydroxyl PEG Hexanoic Acid, MW 5000	\$1,200

## THIOL PEG AMINE

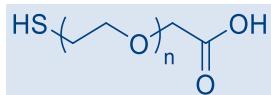


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5143-1</b>	HS-PEG2000-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 2000	\$400
<b>A5143-5</b>	HS-PEG2000-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 2000	\$1,600
<b>A5144-1</b>	HS-PEG3500-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 3500	\$350
<b>A5144-5</b>	HS-PEG3500-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 3500	\$1,400
<b>A5145-1</b>	HS-PEG5000-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 5000	\$350
<b>A5145-5</b>	HS-PEG5000-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 5000	\$1,400

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A5146-1</b>	HS-PEG7500-NH2HCl,1g	Thiol PEG Amine, HCl Salt, MW 7500	\$350
<b>*A5146-5</b>	HS-PEG7500-NH2HCl,5g	Thiol PEG Amine, HCl Salt, MW 7500	\$1,400

## THIOL PEG ACETIC ACID

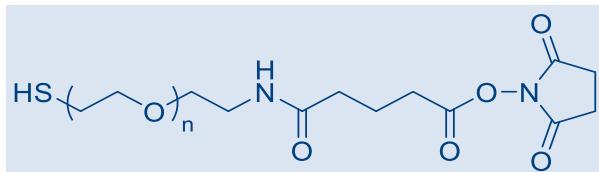


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5098-1</b>	HS-PEG2000-CM,1g	Thiol PEG Acetic Acid, MW 2000	\$350
<b>A5098-5</b>	HS-PEG2000-CM,5g	Thiol PEG Acetic Acid, MW 2000	\$1,400
<b>A5099-1</b>	HS-PEG3500-CM,1g	Thiol PEG Acetic Acid, MW 3500	\$300
<b>A5099-5</b>	HS-PEG3500-CM,5g	Thiol PEG Acetic Acid, MW 3500	\$1,200
<b>A5100-1</b>	HS-PEG5000-CM,1g	Thiol PEG Acetic Acid, MW 5000	\$300
<b>A5100-5</b>	HS-PEG5000-CM,5g	Thiol PEG Acetic Acid, MW 5000	\$1,200

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5101-1	HS-PEG7500-CM,1g	Thiol PEG Acetic Acid, MW 7500	\$300
*A5101-5	HS-PEG7500-CM,5g	Thiol PEG Acetic Acid, MW 7500	\$1,200

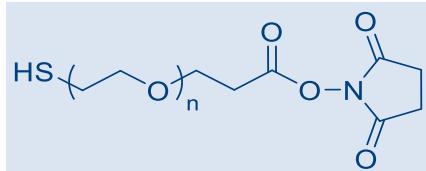
## THIOL PEG SUCCINIMIDYL GLUTARAMIDE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5216-1	HS-PEG3500-SGA,1g	Thiol PEG Succinimidyl Glutaramide, MW 3500	\$600
*A5216-5	HS-PEG3500-SGA,5g	Thiol PEG Succinimidyl Glutaramide, MW 3500	\$2,400
*A5240-1	HS-PEG5000-SGA,1g	Thiol PEG Succinimidyl Glutaramide, MW 5000	\$600
*A5240-5	HS-PEG5000-SGA,5g	Thiol PEG Succinimidyl Glutaramide, MW 5000	\$2,400

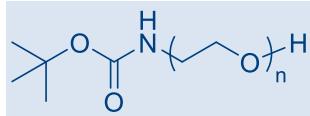
## THIOL PEG SUCCINIMIDYL PROPIONATE



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5330-1	HS-PEG3500-SPA,1g	Thiol PEG Succinimidyl Propionate, MW 3500	\$660
*A5330-5	HS-PEG3500-SPA,5g	Thiol PEG Succinimidyl Propionate, MW 3500	\$2,640
*A5331-1	HS-PEG5000-SPA,1g	Thiol PEG Succinimidyl Propionate, MW 5000	\$720
*A5331-5	HS-PEG5000-SPA,5g	Thiol PEG Succinimidyl Propionate, MW 5000	\$2,880

## T-BOC AMINE PEG HYDROXYL

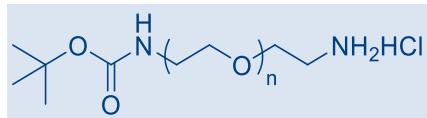


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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5045-1	TBOC-PEG2000-OH,1g	t-Boc Amine PEG Hydroxyl, MW 2000	\$250
*A5045-5	TBOC-PEG2000-OH,5g	t-Boc Amine PEG Hydroxyl, MW 2000	\$1,000
*A5046-1	TBOC-PEG3500-OH,1g	t-Boc Amine PEG Hydroxyl, MW 3500	\$250
*A5046-5	TBOC-PEG3500-OH,5g	t-Boc Amine PEG Hydroxyl, MW 3500	\$1,000
*A5047-1	TBOC-PEG5000-OH,1g	t-Boc Amine PEG Hydroxyl, MW 5000	\$250
*A5047-5	TBOC-PEG5000-OH,5g	t-Boc Amine PEG Hydroxyl, MW 5000	\$1,000
*A5048-1	TBOC-PEG7500-OH,1g	t-Boc Amine PEG Hydroxyl, MW 7500	\$250
*A5048-5	TBOC-PEG7500-OH,5g	t-Boc Amine PEG Hydroxyl, MW 7500	\$1,000

### T-BOC AMINE PEG AMINE

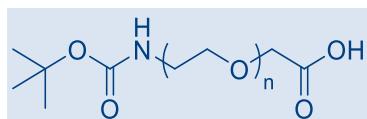


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5042-1	TBOC-PEG2000-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 2000	\$280
A5042-5	TBOC-PEG2000-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 2000	\$1,120

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5043-1	TBOC-PEG3500-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 3500	\$280
*A5043-5	TBOC-PEG3500-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 3500	\$1,120
*A5040-1	TBOC-PEG5000-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 5000	\$280
*A5040-5	TBOC-PEG5000-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 5000	\$1,120
*A5044-1	TBOC-PEG7500-NH2HCl,1g	t-Boc Amine PEG Amine, HCl Salt, MW 7500	\$280
*A5044-5	TBOC-PEG7500-NH2HCl,5g	t-Boc Amine PEG Amine, HCl Salt, MW 7500	\$1,120

### T-BOC AMINE PEG ACETIC ACID

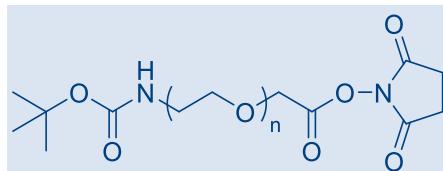


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5071-1	TBOC-PEG2000-CM,1g	t-Boc Amine PEG Acetic Acid, MW 2000	\$375
A5071-5	TBOC-PEG2000-CM,5g	t-Boc Amine PEG Acetic Acid, MW 2000	\$1,500

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5116-1	TBOC-PEG3500-CM,1g	t-Boc Amine PEG Acetic Acid, MW 3500	\$375
*A5116-5	TBOC-PEG3500-CM,5g	t-Boc Amine PEG Acetic Acid, MW 3500	\$1,500
*A5163-1	TBOC-PEG5000-CM,1g	t-Boc Amine PEG Acetic Acid, MW 5000	\$375
*A5163-5	TBOC-PEG5000-CM,5g	t-Boc Amine PEG Acetic Acid, MW 5000	\$1,500
*A5064-1	TBOC-PEG7500-CM,1g	t-Boc Amine PEG Acetic Acid, MW 7500	\$375
*A5064-5	TBOC-PEG7500-CM,5g	t-Boc Amine PEG Acetic Acid, MW 7500	\$1,500

## T-BOC AMINE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

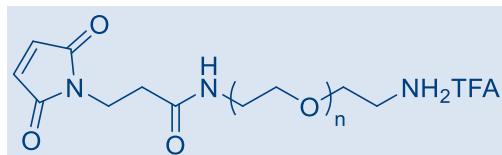


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5095-1	TBOC-PEG2000-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$400
A5095-5	TBOC-PEG2000-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,600

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5056-1	TBOC-PEG3500-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$400
*A5056-5	TBOC-PEG3500-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,600
*A5096-1	TBOC-PEG5000-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$400
*A5096-5	TBOC-PEG5000-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,600
*A5097-1	TBOC-PEG7500-SCM,1g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$400
*A5097-5	TBOC-PEG7500-SCM,5g	t-Boc Amine PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,600

## MALEIMIDE PEG AMINE

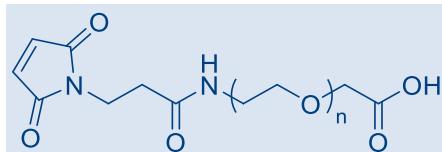


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5005-1	MAL-PEG2000-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 2000	\$350
A5005-5	MAL-PEG2000-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 2000	\$1,400
A5006-1	MAL-PEG3500-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 3500	\$350
A5006-5	MAL-PEG3500-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 3500	\$1,400
A5007-1	MAL-PEG5000-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 5000	\$350
A5007-5	MAL-PEG5000-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 5000	\$1,400

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5008-1	MAL-PEG7500-NH2TFA,1g	Maleimide PEG Amine, TFA Salt, MW 7500	\$350
*A5008-5	MAL-PEG7500-NH2TFA,5g	Maleimide PEG Amine, TFA Salt, MW 7500	\$1,400

## MALEIMIDE PEG ACETIC ACID

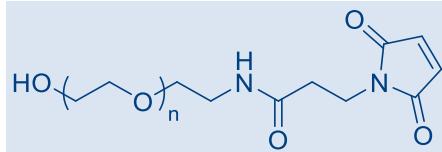


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5082-1	MAL-PEG2000-CM,1g	Maleimide PEG Acetic Acid, MW 2000	\$350
A5082-5	MAL-PEG2000-CM,5g	Maleimide PEG Acetic Acid, MW 2000	\$1,400
A5080-1	MAL-PEG3500-CM,1g	Maleimide PEG Acetic Acid, MW 3500	\$350
A5080-5	MAL-PEG3500-CM,5g	Maleimide PEG Acetic Acid, MW 3500	\$1,400
A5083-1	MAL-PEG5000-CM,1g	Maleimide PEG Acetic Acid, MW 5000	\$350
A5083-5	MAL-PEG5000-CM,5g	Maleimide PEG Acetic Acid, MW 5000	\$1,400

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5084-1	MAL-PEG7500-CM,1g	Maleimide PEG Acetic Acid, MW 7500	\$350
*A5084-5	MAL-PEG7500-CM,5g	Maleimide PEG Acetic Acid, MW 7500	\$1,400

## MALEIMIDE PEG HYDROXYL

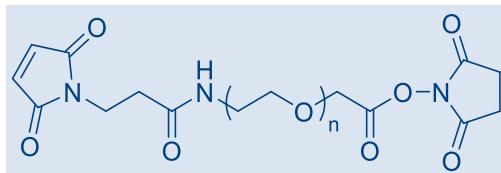


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A5036-1	MAL-PEG5000-OH,1g	Maleimide PEG Hydroxyl, MW 5000	\$320
A5036-5	MAL-PEG5000-OH,5g	Maleimide PEG Hydroxyl, MW 5000	\$1,280

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5034-1	MAL-PEG2000-OH,1g	Maleimide PEG Hydroxyl, MW 2000	\$320
*A5034-5	MAL-PEG2000-OH,5g	Maleimide PEG Hydroxyl, MW 2000	\$1,280
*A5035-1	MAL-PEG3500-OH,1g	Maleimide PEG Hydroxyl, MW 3500	\$320
*A5035-5	MAL-PEG3500-OH,5g	Maleimide PEG Hydroxyl, MW 3500	\$1,280
*A5037-1	MAL-PEG7500-OH,1g	Maleimide PEG Hydroxyl, MW 7500	\$320
*A5037-5	MAL-PEG7500-OH,5g	Maleimide PEG Hydroxyl, MW 7500	\$1,280

## MALEIMIDE PEG SUCCINIMIDYL CARBOXYMETHYL ESTER

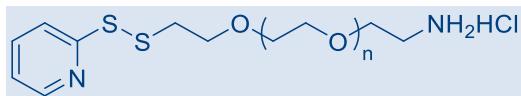


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5001-1</b>	MAL-PEG2000-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$450
<b>A5001-5</b>	MAL-PEG2000-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$1,800
<b>A5002-1</b>	MAL-PEG3500-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$425
<b>A5002-5</b>	MAL-PEG3500-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$1,700
<b>A5003-1</b>	MAL-PEG5000-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$425
<b>A5003-5</b>	MAL-PEG5000-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$1,700

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A5004-1</b>	MAL-PEG7500-SCM,1g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$425
* <b>A5004-5</b>	MAL-PEG7500-SCM,5g	Maleimide PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$1,700

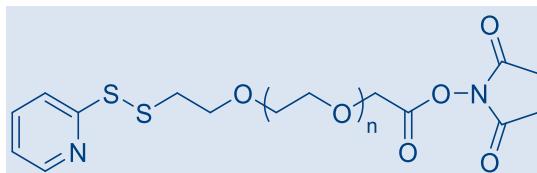
## OPSS PEG AMINE



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A5245-1</b>	OPSS-PEG3500-NH2HCl,1g	OPSS PEG Amine, HCl Salt, MW 3500	\$600
* <b>A5245-5</b>	OPSS-PEG3500-NH2HCl,5g	OPSS PEG Amine, HCl Salt, MW 3500	\$2,400

## OPSS PEG SUCCINIMIDYL CARBOXYMETHYL ESTER



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A5107-1</b>	OPSS-PEG2000-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$500
<b>A5107-5</b>	OPSS-PEG2000-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 2000	\$2,000

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A5108-1	OPSS-PEG3500-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$500
*A5108-5	OPSS-PEG3500-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 3500	\$2,000
*A5109-1	OPSS-PEG5000-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$500
*A5109-5	OPSS-PEG5000-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 5000	\$2,000
*A5110-1	OPSS-PEG7500-SCM,1g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$500
*A5110-5	OPSS-PEG7500-SCM,5g	OPSS PEG Succinimidyl Carboxymethyl Ester, MW 7500	\$2,000

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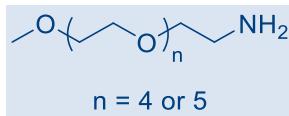
## MONODISPERSE PEG DERIVATIVES

JenKem Technology's monodisperse PEG products are synthesized via very reproducible chemical reactions. JenKem Technology's monodisperse PEGs retain the polyethylene glycol's good solubility in water, offering to PEGylated drugs same PEG benefits of reduced aggregation and immunogenicity, and increased hydrodynamic volume.

JenKem Technology catalog monodisperse PEG products consist of linear chains of five to twelve –CH<sub>2</sub>-CH<sub>2</sub>-O- units, and various terminal functional and reactive groups. Monodisperse PEG products with molecular weights, functional groups and branching not listed in our catalog may be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability.

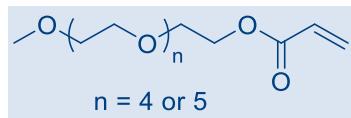
## METHOXY MONODISPERSE PEG DERIVATIVES

### METHOXY-PEG(5 OR 6)-AMINE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A13020-1</b>	M-PEG5-NH2,1g	Methoxy PEG5 Amine, MW 251.4	\$235
<b>A13020-5</b>	M-PEG5-NH2,5g	Methoxy PEG5 Amine, MW 251.4	\$500
<b>A13001-1</b>	M-PEG6-NH2,1g	Methoxy PEG6 Amine, MW 295.3	\$240
<b>A13001-5</b>	M-PEG6-NH2,5g	Methoxy PEG6 Amine, MW 295.3	\$525

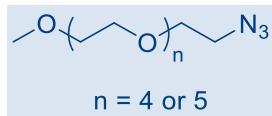
### METHOXY-PEG(5 OR 6)-ACRYLATE



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A13005-1</b>	M-PEG5-ACLT,1g	Methoxy PEG5 Acrylate, MW 306.3	\$400
<b>A13005-5</b>	M-PEG5-ACLT,5g	Methoxy PEG5 Acrylate, MW 306.3	\$1,600

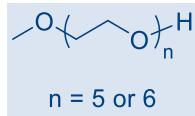
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13007-1	M-PEG6-ACLT,1g	Methoxy PEG6 Acrylate, MW 350.4	\$400
A13007-5	M-PEG6-ACLT,5g	Methoxy PEG6 Acrylate, MW 350.4	\$1,600

## METHOXY-PEG(5 OR 6)-AZIDE



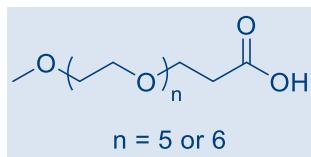
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13016-1	M-PEG5-AZIDE,1g	Methoxy PEG5 Azide, MW 277.3	\$400
A13016-5	M-PEG5-AZIDE,5g	Methoxy PEG5 Azide, MW 277.3	\$1,600
A13017-1	M-PEG6-AZIDE,1g	Methoxy PEG6 Azide, MW 321.4	\$400
A13017-5	M-PEG6-AZIDE,5g	Methoxy PEG6 Azide, MW 321.4	\$1,600

## METHOXY-PEG(5 OR 6)-HYDROXYL



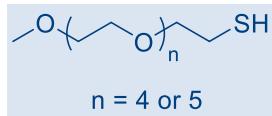
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
P12002-5	M-PEG5-OH,5g	Methoxy PEG5 Hydroxyl, MW 252.2	\$184
P12002-25	M-PEG5-OH,25g	Methoxy PEG5 Hydroxyl, MW 252.2	\$460
P12001-5	M-PEG6-OH,5g	Methoxy PEG6 Hydroxyl, MW 296.2	\$196
P12001-25	M-PEG6-OH,25g	Methoxy PEG6 Hydroxyl, MW 296.2	\$490

## METHOXY-PEG(5 OR 6)-PROPIONIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13010-1	M-PEG5-PA,1g	Methoxy PEG5 Propionic Acid, MW 324.4	\$220
A13010-5	M-PEG5-PA,5g	Methoxy PEG5 Propionic Acid, MW 324.4	\$460
A13011-1	M-PEG6-PA,1g	Methoxy PEG6 Propionic Acid, MW 368.2	\$235
A13011-5	M-PEG6-PA,5g	Methoxy PEG6 Propionic Acid, MW 368.2	\$500

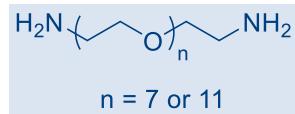
## METHOXY-PEG(5 OR 6)-THIOL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A13012-1	M-PEG5-SH,1g	Methoxy PEG5 Thiol, MW 268.4	\$300
A13012-5	M-PEG5-SH,5g	Methoxy PEG5 Thiol, MW 268.4	\$1,000
A13013-1	M-PEG6-SH,1g	Methoxy PEG6 Thiol, MW 312.4	\$339
A13013-5	M-PEG6-SH,5g	Methoxy PEG6 Thiol, MW 312.4	\$1,130

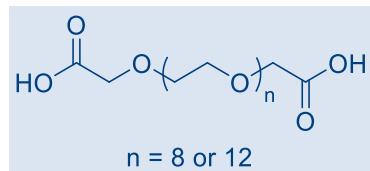
## HOMOBIFUNCTIONAL MONODISPERSE PEG DERIVATIVES

### AMINE PEG(8 OR 12) AMINE



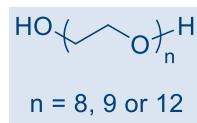
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12011-1	NH2-PEG8-NH2,1g	Amine PEG8 Amine, MW 368.5	\$384
A12011-5	NH2-PEG8-NH2,5g	Amine PEG8 Amine, MW 368.5	\$1,280
A12012-1	NH2-PEG12-NH2,1g	Amine PEG12 Amine, MW 544.8	\$519
A12012-5	NH2-PEG12-NH2,5g	Amine PEG12 Amine, MW 544.8	\$1,730

### ACETIC ACID PEG(8 OR 12) ACETIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12019-1	CM-PEG8-CM,1g	Acetic Acid PEG8 Acetic Acid, MW 486.5	\$444
A12019-5	CM-PEG8-CM,5g	Acetic Acid PEG8 Acetic Acid, MW 486.5	\$1,480
A12020-1	CM-PEG12-CM,1g	Acetic Acid PEG12 Acetic Acid, MW 662.7	\$468
A12020-5	CM-PEG12-CM,5g	Acetic Acid PEG12 Acetic Acid, MW 662.7	\$1,560

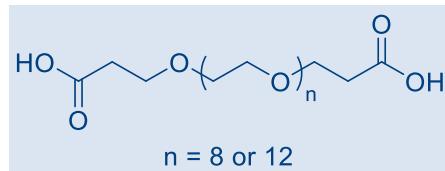
### HYDROXYL-PEG(8 OR 9 OR 12)-HYDROXYL



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
P11002-5	HO-PEG8-OH,5g	Octaethylene Glycol, MW 370.5	\$225
P11002-25	HO-PEG8-OH,25g	Octaethylene Glycol, MW 370.5	\$476
P11003-5	HO-PEG9-OH,5g	Enneethylene glycol, MW 414.5	\$235
P11003-25	HO-PEG9-OH,25g	Enneethylene glycol, MW 414.5	\$490

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
P11004-5	HO-PEG12-OH,5g	Dodecaethylene glycol, MW 546.7	\$250
P11004-25	HO-PEG12-OH,25g	Dodecaethylene glycol, MW 546.7	\$625

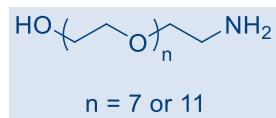
## PROPIONIC ACID PEG(8 OR 12) PROPIONIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12026-1	PA-PEG8-PA,1g	Propionic Acid PEG8 Propionic Acid, MW 514.6	\$372
A12026-5	PA-PEG8-PA,5g	Propionic Acid PEG8 Propionic Acid, MW 514.6	\$1,240
A12018-1	PA-PEG12-PA,1g	Propionic Acid PEG12 Propionic Acid, MW 690.8	\$390
A12018-5	PA-PEG12-PA,5g	Propionic Acid PEG12 Propionic Acid, MW 690.8	\$1,300

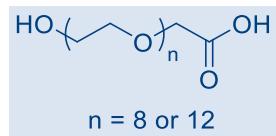
## HETEROBIFUNCTIONAL MONODISPERSE PEG DERIVATIVES

## HYDROXYL PEG(8 OR 12) AMINE

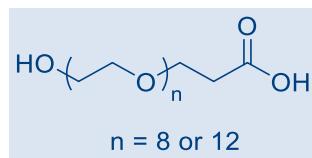


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12008-1	HO-PEG8-NH2,1g	Hydroxyl PEG8 Amine, MW 369.5	\$324
A12008-5	HO-PEG8-NH2,5g	Hydroxyl PEG8 Amine, MW 369.5	\$1,080
A12009-1	HO-PEG12-NH2,1g	Hydroxyl PEG12 Amine, MW 545.8	\$519
A12009-5	HO-PEG12-NH2,5g	Hydroxyl PEG12 Amine, MW 545.8	\$1,730

## HYDROXYL PEG(8 OR 12) ACETIC ACID



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A12014-1	HO-PEG8-CM,1g	Hydroxyl PEG8 Acetic Acid, MW 428.5	\$550
A12014-5	HO-PEG8-CM,5g	Hydroxyl PEG8 Acetic Acid, MW 428.5	\$2,200
A12015-1	HO-PEG12-CM,1g	Hydroxyl PEG12 Acetic Acid, MW 604.8	\$675
A12015-5	HO-PEG12-CM,5g	Hydroxyl PEG12 Acetic Acid, MW 604.8	\$2,700

**HYDROXYL PEG(8 OR 12) PROPIONIC ACID**

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A12002-1</b>	HO-PEG8-PA,1g	Hydroxyl PEG8 Propionic Acid, MW 442.5	\$279
<b>A12002-5</b>	HO-PEG8-PA,5g	Hydroxyl PEG8 Propionic Acid, MW 442.5	\$930
<b>A12003-1</b>	HO-PEG12-PA,1g	Hydroxyl PEG12 Propionic Acid, MW 618.8	\$438
<b>A12003-5</b>	HO-PEG12-PA,5g	Hydroxyl PEG12 Propionic Acid, MW 618.8	\$1,460

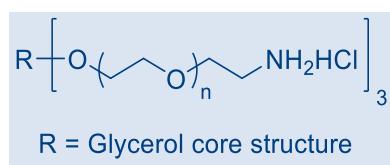
**MULTI-ARM PEG DERIVATIVES**

JenKem Technology provides high quality activated multi-arm polyethylene glycol derivatives (PEGs) with high purity and low polydispersity.

JenKem Technology's multi-arm homo-and hetero-functional PEG derivatives can be cross-linked into hydrogels. PEG hydrogels have a variety of applications in medical devices and regenerative medicine, and are especially of interest for controlled release of drugs, for 3D cell culture, and for wound sealing and healing. JenKem Technology's multi-arm heterofunctional PEG Derivatives are designed as linkers for Antibody-Drug Conjugates or ADCs, as they facilitate the coupling of high ratios of drug molecules per antibody. ADCs conjugated via multiarm PEGs deliver a higher concentration of drugs to targets for each antibody-antigen interaction, and exhibit improved solubility and PK/PD profile.

JenKem Technology's multi-arm star PEGs are synthesized by ethoxylation of glycerol (3ARM PEG), pentaerythritol (4ARM PEG), tripentaerythritol (8ARM(TP) PEG), hexaglycerol (8ARM PEG), or dipentaerythritol (6ARM PEG). The number of ethylene oxide units in the PEG chain may not be equal for all arms. The total molecular weight reported for the JenKem multi-arm PEGs is the sum of the molecular weights of the PEG chains for each arm.

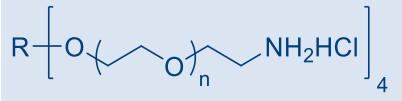
Multi-arm star PEG products with molecular weights and functional groups not listed in our catalog may be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability.

**3ARM-PEG DERIVATIVES (GLYCEROL CORE)****3ARM-PEG-AMINE**

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A9027-1</b>	3ARM-NH2HCl-15K,1g	3arm PEG Amine (glycerol), HCl salt, MW 15000	\$60
<b>A9027-10</b>	3ARM-NH2HCl-15K,10g	3arm PEG Amine (glycerol), HCl salt, MW 15000	\$480
<b>A9028-1</b>	3ARM-NH2HCl-20K,1g	3arm PEG Amine (glycerol), HCl salt, MW 20000	\$60
<b>A9028-10</b>	3ARM-NH2HCl-20K,10g	3arm PEG Amine (glycerol), HCl salt, MW 20000	\$480

## 4ARM-PEG DERIVATIVES (PENTAERYTHRITOL CORE)

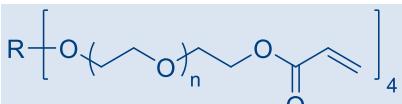
### 4ARM PEG AMINE (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7032F-1</b>	4ARM-NH2-2000,1g	4arm PEG Amine (pentaerythritol), Free Amine, MW 2000	\$70
<b>A7032F-10</b>	4ARM-NH2-2000,10g	4arm PEG Amine (pentaerythritol), Free Amine, MW 2000	\$560
<b>A7020-1</b>	4ARM-NH2HCl-5000,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 5000	\$50
<b>A7020-10</b>	4ARM-NH2HCl-5000,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 5000	\$400
<b>A7011-1</b>	4ARM-NH2HCl-10K,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 10000	\$50
<b>A7011-10</b>	4ARM-NH2HCl-10K,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 10000	\$400
<b>A7026-1</b>	4ARM-NH2HCl-20K,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 20000	\$50
<b>A7026-10</b>	4ARM-NH2HCl-20K,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 20000	\$400
<b>A7024-1</b>	4ARM-NH2HCl-40K,1g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 40000	\$60
<b>A7024-10</b>	4ARM-NH2HCl-40K,10g	4arm PEG Amine (pentaerythritol), HCl Salt, MW 40000	\$480

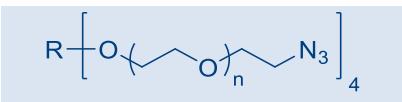
### 4ARM PEG ACRYLATE (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7068-1</b>	4ARM-ACLT-10K,1g	4arm PEG Acrylate (pentaerythritol), MW 10000	\$80
<b>A7068-10</b>	4ARM-ACLT-10K,10g	4arm PEG Acrylate (pentaerythritol), MW 10000	\$640
<b>A7034-1</b>	4ARM-ACLT-20K,1g	4arm PEG Acrylate (pentaerythritol), MW 20000	\$80
<b>A7034-10</b>	4ARM-ACLT-20K,10g	4arm PEG Acrylate (pentaerythritol), MW 20000	\$640

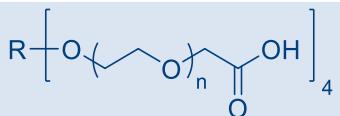
### 4ARM PEG AZIDE (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7163-1</b>	4ARM-AZIDE-10K,1g	4arm PEG Azide (pentaerythritol), MW 10000	\$130
<b>A7163-10</b>	4ARM-AZIDE-10K,10g	4arm PEG Azide (pentaerythritol), MW 10000	\$1,040
<b>A7185-1</b>	4ARM-AZIDE-20K,1g	4arm PEG Azide (pentaerythritol), MW 20000	\$130
<b>A7185-10</b>	4ARM-AZIDE-20K,10g	4arm PEG Azide (pentaerythritol), MW 20000	\$1,040

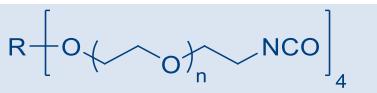
#### 4ARM PEG ACETIC ACID (PENTAERYTHRITOL)



R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7109-1</b>	4ARM-CM-5000,1g	4arm PEG Acetic Acid (pentaerythritol), MW 5000	\$100
<b>A7109-10</b>	4ARM-CM-5000,10g	4arm PEG Acetic Acid (pentaerythritol), MW 5000	\$800
<b>A7027-1</b>	4ARM-CM-10K,1g	4arm PEG Acetic Acid (pentaerythritol), MW 10000	\$100
<b>A7027-10</b>	4ARM-CM-10K,10g	4arm PEG Acetic Acid (pentaerythritol), MW 10000	\$800
<b>A7028-1</b>	4ARM-CM-20K,1g	4arm PEG Acetic Acid (pentaerythritol), MW 20000	\$100
<b>A7028-10</b>	4ARM-CM-20K,10g	4arm PEG Acetic Acid (pentaerythritol), MW 20000	\$800
<b>A7066-1</b>	4ARM-CM-40K,1g	4arm PEG Acetic Acid (pentaerythritol), MW 40000	\$110
<b>A7066-10</b>	4ARM-CM-40K,10g	4arm PEG Acetic Acid (pentaerythritol), MW 40000	\$880

#### 4ARM PEG ISOCYANATE (PENTAERYTHRITOL)

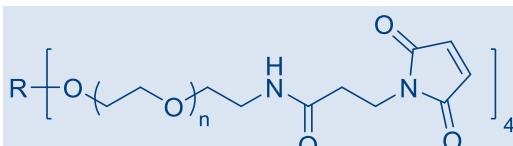


R = Pentaerythritol core structure

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

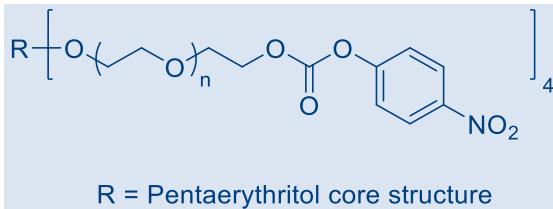
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A7106-1</b>	4ARM-NCO-10K,1g	4arm PEG Isocyanate (pentaerythritol), MW 10000	\$150
<b>*A7106-10</b>	4ARM-NCO-10K,10g	4arm PEG Isocyanate (pentaerythritol), MW 10000	\$1,200
<b>*A7111-1</b>	4ARM-NCO-20K,1g	4arm PEG Isocyanate (pentaerythritol), MW 20000	\$150
<b>*A7111-10</b>	4ARM-NCO-20K,10g	4arm PEG Isocyanate (pentaerythritol), MW 20000	\$1,200

#### 4ARM PEG MALEIMIDE (PENTAERYTHRITOL)



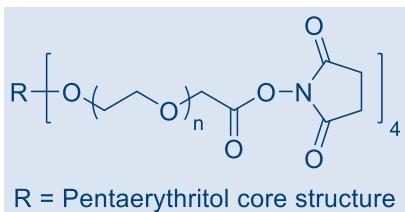
R = Pentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7018-1</b>	4ARM-MAL-10K,1g	4arm PEG Maleimide (pentaerythritol), MW 10000	\$130
<b>A7018-10</b>	4ARM-MAL-10K,10g	4arm PEG Maleimide (pentaerythritol), MW 10000	\$1040
<b>A7029-1</b>	4ARM-MAL-20K,1g	4arm PEG Maleimide (pentaerythritol), MW 20000	\$130
<b>A7029-10</b>	4ARM-MAL-20K,10g	4arm PEG Maleimide (pentaerythritol), MW 20000	\$1040
<b>A7067-1</b>	4ARM-MAL-40K,1g	4arm PEG Maleimide (pentaerythritol), MW 40000	\$140
<b>A7067-10</b>	4ARM-MAL-40K,10g	4arm PEG Maleimide (pentaerythritol), MW 40000	\$1,120

**4ARM PEG NITROPHENYL CARBONATE (PENTAERYTHRITOL)**

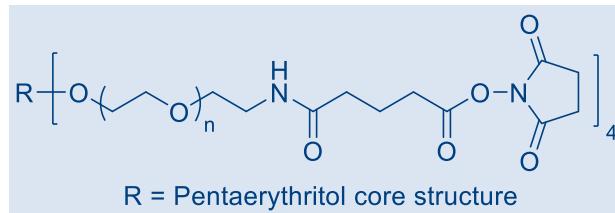
PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A7080-1</b>	4ARM-NPC-10K,1g	4arm PEG Nitrophenyl Carbonate (pentaerythritol), MW 10000	\$90
* <b>A7080-10</b>	4ARM-NPC-10K,10g	4arm PEG Nitrophenyl Carbonate (pentaerythritol), MW 10000	\$720

**4ARM PEG SUCCINIMIDYL CARBOXYMETHYL ESTER (PENTAERYTHRITOL)**

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7014-1</b>	4ARM-SCM-5000,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 5000	\$110
<b>A7014-10</b>	4ARM-SCM-5000,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 5000	\$880
<b>A7015-1</b>	4ARM-SCM-10K,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 10000	\$110
<b>A7015-10</b>	4ARM-SCM-10K,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 10000	\$880
<b>A7038-1</b>	4ARM-SCM-20K,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 20000	\$110
<b>A7038-10</b>	4ARM-SCM-20K,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 20000	\$880
<b>A7070-1</b>	4ARM-SCM-40K,1g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 40000	\$120
<b>A7070-10</b>	4ARM-SCM-40K,10g	4arm PEG Succinimidyl Carboxymethyl Ester (pentaerythritol), MW 40000	\$960

## 4ARM PEG SUCCINIMIDYL GLUTARAMIDE (PENTAERYTHRITOL)

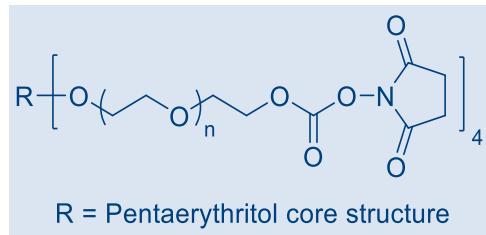


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7013-1</b>	4ARM-SGA-20K,1g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 20000	\$120
<b>A7013-10</b>	4ARM-SGA-20K,10g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 20000	\$960

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A7110-1</b>	4ARM-SGA-10K,1g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 10000	\$120
* <b>A7110-10</b>	4ARM-SGA-10K,10g	4arm PEG Succinimidyl Glutaramide (pentaerythritol), MW 10000	\$960

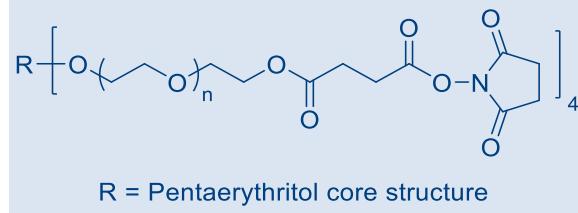
## 4ARM PEG SUCCINIMIDYL CARBONATE (PENTAERYTHRITOL)



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A7184-1</b>	4ARM-SC-10K,1g	4ARM PEG Succinimidyl Carbonate (pentaerythritol), MW 10000	\$120
* <b>A7184-10</b>	4ARM-SC-10K,10g	4ARM PEG Succinimidyl Carbonate (pentaerythritol), MW 10000	\$960

## 4ARM PEG SUCCINIMIDYL SUCCINATE (PENTAERYTHRITOL)

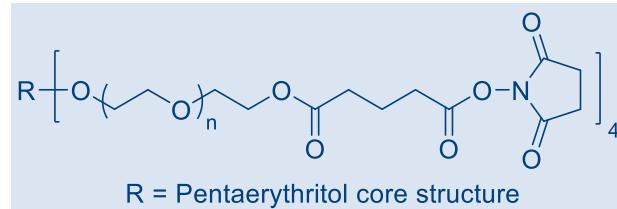


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7006-1</b>	4ARM-SS-10K,1g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 10000	\$80
<b>A7006-10</b>	4ARM-SS-10K,10g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 10000	\$640
<b>A7030-1</b>	4ARM-SS-20K,1g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 20000	\$80
<b>A7030-10</b>	4ARM-SS-20K,10g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 20000	\$640

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7069-1	4ARM-SS-40K,1g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 40000	\$90
*A7069-10	4ARM-SS-40K,10g	4arm PEG Succinimidyl Succinate (pentaerythritol), MW 40000	\$720

#### 4ARM PEG SUCCINIMIDYL GLUTARATE (PENTAERYTHRITOL)

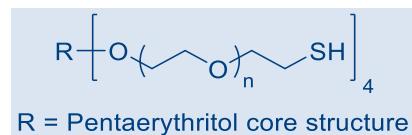


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7031-1	4ARM-SG-10K,1g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 10000	\$80
A7031-10	4ARM-SG-10K,10g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 10000	\$640
A7010-1	4ARM-SG-20K,1g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 20000	\$80
A7010-10	4ARM-SG-20K,10g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 20000	\$640

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

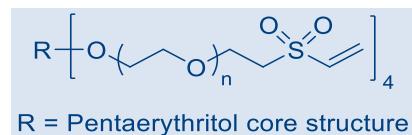
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7017-1	4ARM-SG-40K,1g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 40000	\$90
*A7017-10	4ARM-SG-40K,10g	4arm PEG Succinimidyl Glutarate (pentaerythritol), MW 40000	\$720

#### 4ARM PEG THIOL (PENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A7002-1	4ARM-SH-5000,1g	4arm PEG Thiol (pentaerythritol), MW 5000	\$80
A7002-10	4ARM-SH-5000,10g	4arm PEG Thiol (pentaerythritol), MW 5000	\$640
A7008-1	4ARM-SH-10K,1g	4arm PEG Thiol (pentaerythritol), MW 10000	\$80
A7008-10	4ARM-SH-10K,10g	4arm PEG Thiol (pentaerythritol), MW 10000	\$640
A7039-1	4ARM-SH-20K,1g	4arm PEG Thiol (pentaerythritol), MW 20000	\$80
A7039-10	4ARM-SH-20K,10g	4arm PEG Thiol (pentaerythritol), MW 20000	\$640

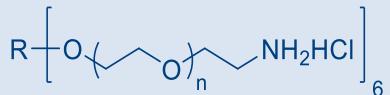
#### 4ARM PEG VINYLSULFONE (PENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A7005-1</b>	4ARM-VS-10K,1g	4arm PEG Vinylsulfone (pentaerythritol), MW 10000	\$150
<b>A7005-10</b>	4ARM-VS-10K,10g	4arm PEG Vinylsulfone (pentaerythritol), MW 10000	\$1,200
<b>A7025-1</b>	4ARM-VS-20K,1g	4arm PEG Vinylsulfone (pentaerythritol), MW 20000	\$150
<b>A7025-10</b>	4ARM-VS-20K,10g	4arm PEG Vinylsulfone (pentaerythritol), MW 20000	\$1,200

## 6ARM-PEG DERIVATIVES (DIPENTAERYTHRITOL CORE)

### 6ARM PEG AMINE (DIPENTAERYTHRITOL)



R = Dipentaerythritol core structure

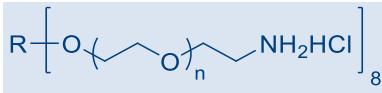
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A9005-1</b>	6ARM(DP)-NH2HCl-15K,1g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 15000	\$80
<b>A9005-10</b>	6ARM(DP)-NH2HCl-15K,10g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 15000	\$640

PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A9026-1</b>	6ARM(DP)-NH2HCl-30K,1g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 30000	\$80
<b>*A9026-10</b>	6ARM(DP)-NH2HCl-30K,10g	6arm PEG Amine (dipentaerythritol), HCl salt, MW 30000	\$640

## 8ARM-PEG DERIVATIVES (HEXAGLYCEROL CORE)

### 8ARM PEG AMINE (HEXAGLYCEROL)

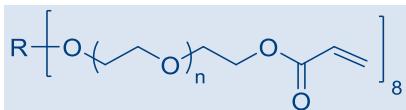


R = Hexaglycerol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A8008-1</b>	8ARM-NH2HCl-10K,1g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 10000	\$50
<b>A8008-10</b>	8ARM-NH2HCl-10K,10g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 10000	\$400
<b>A8009-1</b>	8ARM-NH2HCl-20K,1g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 20000	\$50
<b>A8009-10</b>	8ARM-NH2HCl-20K,10g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 20000	\$400
<b>A8012-1</b>	8ARM-NH2HCl-40K,1g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 40000	\$50
<b>A8012-10</b>	8ARM-NH2HCl-40K,10g	8arm PEG Amine (hexaglycerol), HCl Salt, MW 40000	\$400

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at [tech@jenkemusa.com](mailto:tech@jenkemusa.com).

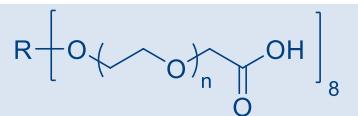
## 8ARM PEG ACRYLATE (HEXAGLYCEROL)



R = Hexaglycerol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A8002-1</b>	8ARM-ACLT-10K,1g	8arm PEG Acrylate (hexaglycerol), MW 10000	\$80
<b>A8002-10</b>	8ARM-ACLT-10K,10g	8arm PEG Acrylate (hexaglycerol), MW 10000	\$640
<b>A8005-1</b>	8ARM-ACLT-20K,1g	8arm PEG Acrylate (hexaglycerol), MW 20000	\$80
<b>A8005-10</b>	8ARM-ACLT-20K,10g	8arm PEG Acrylate (hexaglycerol), MW 20000	\$640

## 8ARM PEG ACETIC ACID (HEXAGLYCEROL)

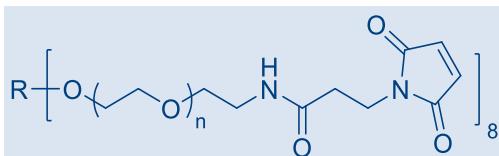


R = Hexaglycerol core structure

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>*A8016-1</b>	8ARM-CM-10K,1g	8arm PEG Acetic Acid (hexaglycerol), MW 10000	\$100
<b>*A8016-10</b>	8ARM-CM-10K,10g	8arm PEG Acetic Acid (hexaglycerol), MW 10000	\$800
<b>*A8017-1</b>	8ARM-CM-20K,1g	8arm PEG Acetic Acid (hexaglycerol), MW 20000	\$100
<b>*A8017-10</b>	8ARM-CM-20K,10g	8arm PEG Acetic Acid (hexaglycerol), MW 20000	\$800
<b>*A8018-1</b>	8ARM-CM-40K,1g	8arm PEG Acetic Acid (hexaglycerol), MW 40000	\$110
<b>*A8018-10</b>	8ARM-CM-40K,10g	8arm PEG Acetic Acid (hexaglycerol), MW 40000	\$880

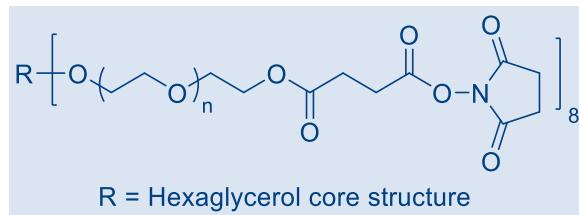
## 8ARM PEG MALEIMIDE (HEXAGLYCEROL)



R = Hexaglycerol core structure

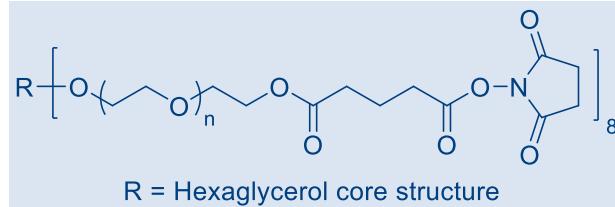
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A8027-1</b>	8ARM-MAL-10K,1g	8arm PEG Maleimide (hexaglycerol), MW 10000	\$130
<b>A8027-10</b>	8ARM-MAL-10K,10g	8arm PEG Maleimide (hexaglycerol), MW 10000	\$1040
<b>A8028-1</b>	8ARM-MAL-20K,1g	8arm PEG Maleimide (hexaglycerol), MW 20000	\$130
<b>A8028-10</b>	8ARM-MAL-20K,10g	8arm PEG Maleimide (hexaglycerol), MW 20000	\$1040
<b>A8029-1</b>	8ARM-MAL-40K,1g	8arm PEG Maleimide (hexaglycerol), MW 40000	\$140
<b>A8029-10</b>	8ARM-MAL-40K,10g	8arm PEG Maleimide (hexaglycerol), MW 40000	\$1,120

## 8ARM PEG SUCCINIMIDYL SUCCINATE (HEXAGLYCEROL)



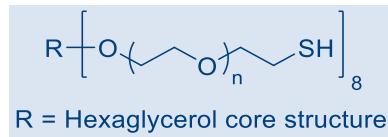
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A8019-1</b>	8ARM-SS-10K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 10000	\$80
<b>A8019-10</b>	8ARM-SS-10K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 10000	\$640
<b>A8010-1</b>	8ARM-SS-15K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 15000	\$80
<b>A8010-10</b>	8ARM-SS-15K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 15000	\$640
<b>A8020-1</b>	8ARM-SS-20K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 20000	\$80
<b>A8020-10</b>	8ARM-SS-20K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 20000	\$640
<b>A8021-1</b>	8ARM-SS-40K,1g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 40000	\$90
<b>A8021-10</b>	8ARM-SS-40K,10g	8arm PEG Succinimidyl Succinate (hexaglycerol), MW 40000	\$720

## 8ARM PEG SUCCINIMIDYL GLUTARATE (HEXAGLYCEROL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A8013-1</b>	8ARM-SG-10K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 10000	\$80
<b>A8013-10</b>	8ARM-SG-10K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 10000	\$640
<b>A8001-1</b>	8ARM-SG-15K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 15000	\$80
<b>A8001-10</b>	8ARM-SG-15K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 15000	\$640
<b>A8022-1</b>	8ARM-SG-20K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 20000	\$80
<b>A8022-10</b>	8ARM-SG-20K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 20000	\$640
<b>A8023-1</b>	8ARM-SG-40K,1g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 40000	\$100
<b>A8023-10</b>	8ARM-SG-40K,10g	8arm PEG Succinimidyl Glutarate (hexaglycerol), MW 40000	\$800

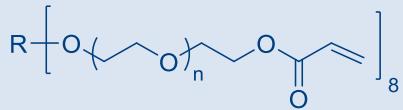
## 8ARM PEG THIOL (HEXAGLYCEROL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A8004-1</b>	8ARM-SH-10K,1g	8arm PEG Thiol (hexaglycerol), MW 10000	\$120
<b>A8004-10</b>	8ARM-SH-10K,10g	8arm PEG Thiol (hexaglycerol), MW 10000	\$960
<b>A8007-1</b>	8ARM-SH-20K,1g	8arm PEG Thiol (hexaglycerol), MW 20000	\$80
<b>A8007-10</b>	8ARM-SH-20K,10g	8arm PEG Thiol (hexaglycerol), MW 20000	\$640

## 8ARM-PEG DERIVATIVES (TRIPENTAERYTHRITOL CORE)

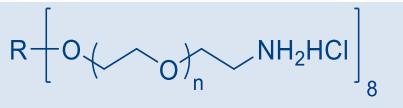
### 8ARM PEG ACRYLATE (TRIPENTAERYTHRITOL)



R = Tripentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A10021-1</b>	8ARM(TP)-ACLT-10K,1g	8arm PEG Acrylate (tripentaerythritol), MW 10000	\$80
<b>A10021-10</b>	8ARM(TP)-ACLT-10K,10g	8arm PEG Acrylate (tripentaerythritol), MW 10000	\$640
<b>A10016-1</b>	8ARM(TP)-ACLT-20K,1g	8arm PEG Acrylate (tripentaerythritol), MW 20000	\$80
<b>A10016-10</b>	8ARM(TP)-ACLT-20K,10g	8arm PEG Acrylate (tripentaerythritol), MW 20000	\$640

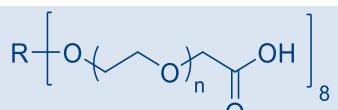
### 8ARM PEG AMINE (TRIPENTAERYTHRITOL)



R = Tripentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A10001-1</b>	8ARM(TP)-NH2HCl-10K,1g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 10000	\$50
<b>A10001-10</b>	8ARM(TP)-NH2HCl-10K,10g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 10000	\$400
<b>A10002-1</b>	8ARM(TP)-NH2HCl-20K,1g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 20000	\$50
<b>A10002-10</b>	8ARM(TP)-NH2HCl-20K,10g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 20000	\$400
<b>A10003-1</b>	8ARM(TP)-NH2HCl-40K,1g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 40000	\$50
<b>A10003-10</b>	8ARM(TP)-NH2HCl-40K,10g	8arm PEG Amine (tripentaerythritol), HCl Salt, MW 40000	\$400

### 8ARM PEG ACETIC ACID (TRIPENTAERYTHRITOL)



R = Tripentaerythritol core structure

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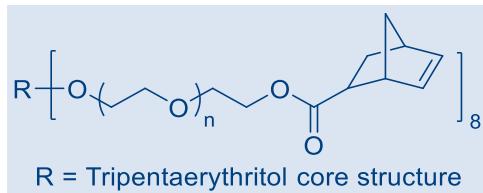
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10004-1	8ARM(TP)-CM-10K,1g	8arm PEG Acetic Acid (tripentaerythritol), MW 10000	\$100
*A10004-10	8ARM(TP)-CM-10K,10g	8arm PEG Acetic Acid (tripentaerythritol), MW 10000	\$800
*A10005-1	8ARM(TP)-CM-20K,1g	8arm PEG Acetic Acid (tripentaerythritol), MW 20000	\$100
*A10005-10	8ARM(TP)-CM-20K,10g	8arm PEG Acetic Acid (tripentaerythritol), MW 20000	\$800
*A10006-1	8ARM(TP)-CM-40K,1g	8arm PEG Acetic Acid (tripentaerythritol), MW 40000	\$110
*A10006-10	8ARM(TP)-CM-40K,10g	8arm PEG Acetic Acid (tripentaerythritol), MW 40000	\$880

## 8ARM PEG MALEIMIDE (TRIPENTAERYTHRITOL)



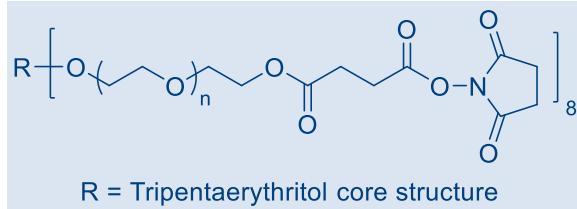
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10018-1	8ARM(TP)-MAL-10K,1g	8arm PEG Maleimide (tripentaerythritol), MW 10000	\$130
A10018-10	8ARM(TP)-MAL-10K,10g	8arm PEG Maleimide (tripentaerythritol), MW 10000	\$1,040
A10019-1	8ARM(TP)-MAL-20K,1g	8arm PEG Maleimide (tripentaerythritol), MW 20000	\$130
A10019-10	8ARM(TP)-MAL-20K,10g	8arm PEG Maleimide (tripentaerythritol), MW 20000	\$1,040
A10020-1	8ARM(TP)-MAL-40K,1g	8arm PEG Maleimide (tripentaerythritol), MW 40000	\$140
A10020-10	8ARM(TP)-MAL-40K,10g	8arm PEG Maleimide (tripentaerythritol), MW 40000	\$1,120

## 8ARM PEG NORBORNENE (TRIPENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10037-1	8ARM(TP)-NB-20K,1g	8arm PEG Norbornene (tripentaerythritol), MW 20000	\$150
A10037-10	8ARM(TP)-NB-20K,10g	8arm PEG Norbornene (tripentaerythritol), MW 20000	\$1,200

## 8ARM PEG SUCCINIMIDYL SUCCINATE (TRIPENTAERYTHRITOL)

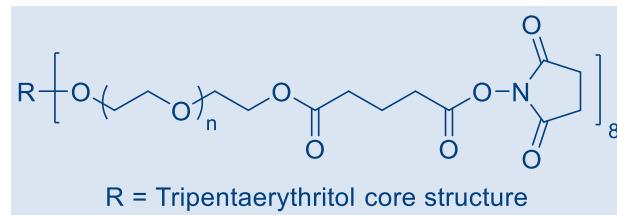


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10007-1	8ARM(TP)-SS-10K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 10000	\$80
A10007-10	8ARM(TP)-SS-10K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 10000	\$640

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10028-1	8ARM(TP)-SS-15K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 15000	\$80
*A10028-10	8ARM(TP)-SS-15K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 15000	\$640
*A10008-1	8ARM(TP)-SS-20K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 20000	\$80
*A10008-10	8ARM(TP)-SS-20K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 20000	\$640
*A10009-1	8ARM(TP)-SS-40K,1g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 40000	\$90
*A10009-10	8ARM(TP)-SS-40K,10g	8arm PEG Succinimidyl Succinate (tripentaerythritol), MW 40000	\$720

#### 8ARM PEG SUCCINIMIDYL GLUTARATE (TRIPENTAERYTHRITOL)

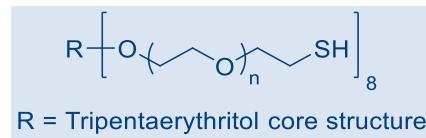


ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10010-1	8ARM(TP)-SG-10K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 10000	\$80
A10010-10	8ARM(TP)-SG-10K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 10000	\$640
A10012-1	8ARM(TP)-SG-20K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 20000	\$80
A10012-10	8ARM(TP)-SG-20K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 20000	\$640

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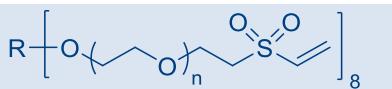
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10011-1	8ARM(TP)-SG-15K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 15000	\$80
*A10011-10	8ARM(TP)-SG-15K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 15000	\$640
*A10013-1	8ARM(TP)-SG-40K,1g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 40000	\$90
*A10013-10	8ARM(TP)-SG-40K,10g	8arm PEG Succinimidyl Glutarate (tripentaerythritol), MW 40000	\$720

#### 8ARM PEG THIOL (TRIPENTAERYTHRITOL)



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
A10022-1	8ARM(TP)-SH-10K,1g	8arm PEG Thiol (tripentaerythritol), MW 10000	\$120
A10022-10	8ARM(TP)-SH-10K,10g	8arm PEG Thiol (tripentaerythritol), MW 10000	\$960
A10023-1	8ARM(TP)-SH-20K,1g	8arm PEG Thiol (tripentaerythritol), MW 20000	\$80
A10023-10	8ARM(TP)-SH-20K,10g	8arm PEG Thiol (tripentaerythritol), MW 20000	\$640

## 8ARM PEG VINYLSULFONE (TRIPENTAERYTHRITOL)

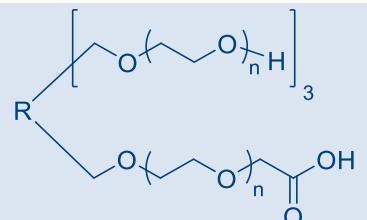


R = Tripentaerythritol core structure

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A10033-1</b>	8ARM(TP)-VS-10K,1g	8arm PEG Vinylsulfone (tripentaerythritol), MW 10000	\$150
<b>A10033-10</b>	8ARM(TP)-VS-10K,10g	8arm PEG Vinylsulfone (tripentaerythritol), MW 10000	\$1,200
<b>A10034-1</b>	8ARM(TP)-VS-20K,1g	8arm PEG Vinylsulfone (tripentaerythritol), MW 20000	\$150
<b>A10034-10</b>	8ARM(TP)-VS-20K,10g	8arm PEG Vinylsulfone (tripentaerythritol), MW 20000	\$1,200
<b>A10047-1</b>	8ARM(TP)-VS-40K,1g	8arm PEG Vinylsulfone (tripentaerythritol), MW 40000	\$150
<b>A10047-10</b>	8ARM(TP)-VS-40K,10g	8arm PEG Vinylsulfone (tripentaerythritol), MW 40000	\$1,200

## MULTI-ARM HETEROBIFUNCTIONAL PEG DERIVATIVES

## (HO)3-4ARMPEG-CM



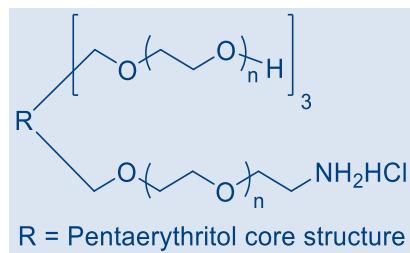
R = Pentaerythritol core structure

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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
* <b>A7147-1</b>	(HO)3-4ARMPEG3000-CM,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 3000	\$450
* <b>A7147-5</b>	(HO)3-4ARMPEG3000-CM,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 3000	\$1,800
* <b>A7142-1</b>	(HO)3-4ARMPEG5000-CM,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 5000	\$300
* <b>A7142-5</b>	(HO)3-4ARMPEG5000-CM,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 5000	\$1,200
* <b>A7047-1</b>	(HO)3-4ARMPEG10K-CM,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$300
* <b>A7047-5</b>	(HO)3-4ARMPEG10K-CM,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$1,200

Please inquire if the PEG derivative that you need is not listed in this catalog. We may still have your compound, as not all accessible functional groups and molecular weight combinations are listed in the catalog. In addition, we have chemists dedicated to developing new products and processes on a custom synthesis basis, under confidentiality if needed, and we would be glad to provide a quote for you for this service. Please call or email us at [tech@jenkemusa.com](mailto:tech@jenkemusa.com).

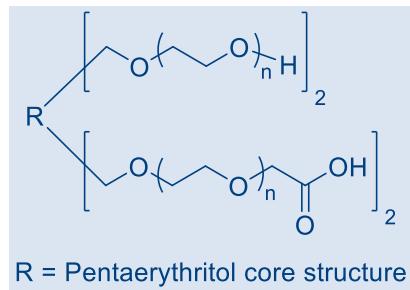
## (HO)3-4ARMPEG-NH2HCL



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ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7081-1	(HO)3-4ARMPEG10K-NH2HCl,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 10000	\$500
*A7081-5	(HO)3-4ARMPEG10K-NH2HCl,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 10000	\$2,000
*A7148-1	(HO)3-4ARMPEG20K-NH2HCl,1g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 20000	\$550
*A7148-5	(HO)3-4ARMPEG20K-NH2HCl,5g	4arm PEG, 3arm-Hydroxyl, 1arm-Amine, HCl salt, MW 20000	\$2,200

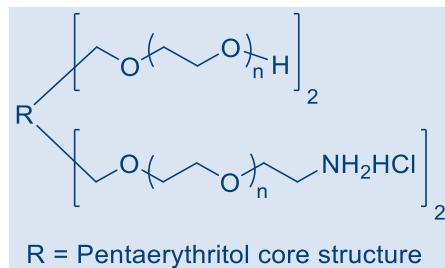
## (HO)2-4ARMPEG-(CM)2



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7048-1	(HO)2-4ARMPEG10K-(CM)2,1g	4arm PEG, 2arm-Hydroxyl, 2arm-Acetic Acid, MW 10000	\$350
*A7048-5	(HO)2-4ARMPEG10K-(CM)2,5g	4arm PEG, 2arm-Hydroxyl, 2arm-Acetic Acid, MW 10000	\$1,400

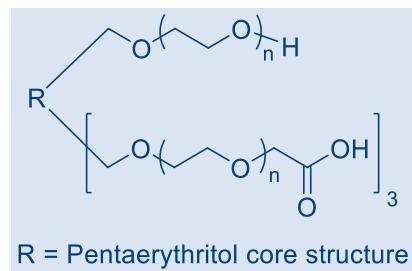
## (HO)2-4ARMPEG-(NH2HCl)2



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7077-1	(HO)2-4ARMPEG10K-(NH2HCl)2,1g	4arm-PEG, 2arm-Hydroxyl, 2arm-Amine, HCl Salt, MW 10000	\$700
*A7077-5	(HO)2-4ARMPEG10K-(NH2HCl)2,5g	4arm-PEG, 2arm-Hydroxyl, 2arm-Amine, HCl Salt, MW 10000	\$2,800
*A7149-1	(HO)2-4ARMPEG20K-(NH2HCl)2,1g	4arm PEG, 2arm-Hydroxyl, 2arm-Amine, HCl salt, MW 20000	\$750
*A7149-5	(HO)2-4ARMPEG20K-(NH2HCl)2,5g	4arm PEG, 2arm-Hydroxyl, 2arm-Amine, HCl salt, MW 20000	\$3,000

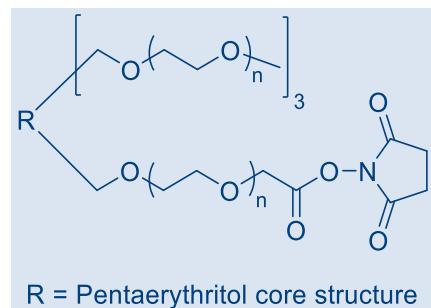
### HO-4ARMPEG-(CM)3



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7108-1	HO-4ARMPEG5000-(CM)3,1g	4arm PEG, 1arm-Hydroxyl, 3arm-Acetic Acid, MW 5000	\$400
*A7108-5	HO-4ARMPEG5000-(CM)3,5g	4arm PEG, 1-Hydroxyl, 3arm-Acetic Acid, MW 5000	\$1,600

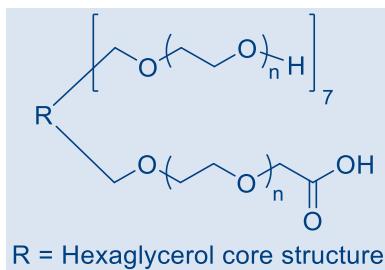
### (CH<sub>3</sub>O)3-4ARMPEG-SCM



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A7174-1	(CH <sub>3</sub> O)3-4ARMPEG5000-SCM,1g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 5000	\$650
*A7174-5	(CH <sub>3</sub> O)3-4ARMPEG5000-SCM,5g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 5000	\$2,600
*A7173-1	(CH <sub>3</sub> O)3-4ARMPEG20K-SCM,1g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 20000	\$600
*A7173-5	(CH <sub>3</sub> O)3-4ARMPEG20K-SCM,5g	4arm PEG, 3arm Methoxy, 1arm Succinimidyl Carboxymethyl Ester, MW 20000	\$2,400

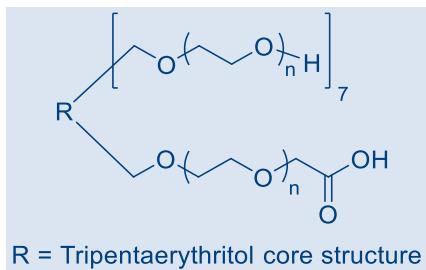
## (HO)7-8ARMPEG-CM



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A8042-1	(HO)7-8ARMPEG10K-CM,1g	8arm PEG (hexaglycerol), 7arm-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$400
*A8042-5	(HO)7-8ARMPEG10K-CM,5g	8arm PEG (hexaglycerol), 7Hydroxyl, 1arm-Acetic Acid, MW 10000	\$1,600
*A8043-1	(HO)7-8ARMPEG20K-CM,1g	8arm PEG (hexaglycerol), 7Hydroxyl, 1arm-Acetic Acid, MW 20000	\$450
*A8043-5	(HO)7-8ARMPEG20K-CM,5g	8arm PEG (hexaglycerol), 7-Hydroxyl, 1arm-Acetic Acid, MW 20000	\$1,800

## (HO)7-8ARMPEG(TP)-CM



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 4-10 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*A10041-1	(HO)7-8ARM(TP)PEG10K-CM,1g	8arm PEG (tripentaerythritol), 7Hydroxyl, 1arm-Acetic Acid, MW 10000	\$400
*A10041-5	(HO)7-8ARM(TP)PEG10K-CM,5g	8arm PEG (tripentaerythritol), 7-Hydroxyl, 1arm-Acetic Acid, MW 10000	\$1,600
*A10039-1	(HO)7-8ARM(TP)PEG20K-CM,1g	8arm PEG (tripentaerythritol), 7-Hydroxyl, 1arm-Acetic Acid, MW 20000	\$450
*A10039-5	(HO)7-8ARM(TP)PEG20K-CM,5g	8arm PEG (tripentaerythritol), 7-Hydroxyl, 1arm-Acetic Acid, MW 20000	\$1,800

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## BIODEGRADABLE PEG CO-POLYMERS

JenKem Technology offers high-quality biodegradable co-polymers. The interest in biodegradable polymers for the medical and pharmaceutical field stems from the need for extended release drug delivery systems, including for ADCs; and for degradable medical devices that do not require human intervention for removal from the body. JenKem® PEGs are ideal candidates as a polymeric backbone, as they have already been successfully applied for wound sealing and healing, controlled drug delivery, and tissue engineering.

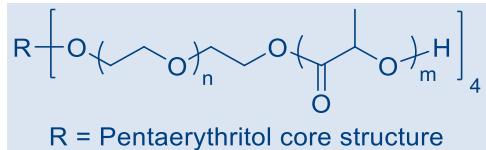
Synthetic JenKem PEG co-polymers and PEG derivatives offer several advantages over natural biodegradable polymers:

- Highly hydrophilic
- Facile introduction of functional groups for drug attachment
- Production of JenKem PEGs back-integrated to ethylene oxide raw material
- Predictable lot-to-lot consistency and raw material sourcing
- No immunogenicity normally associated with natural polymers

Please see below a limited selection of JenKem® biodegradable PEG copolymers. Different combinations of MW and functionalities for the listed PEG co-polymers; and co-polymer derivatives with PGA (PolyGlycolide), PLL (Poly(L-lysine), or PLGA (Poly(lactic-co-glycolic acid); are available by custom synthesis.

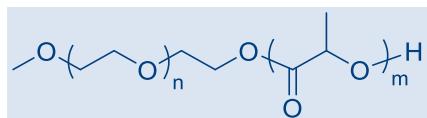
## PEG-POLYLACTIDE BLOCK COPOLYMERS

### 4ARM PEG POLYLACTIDE BLOCK Co-POLYMERS



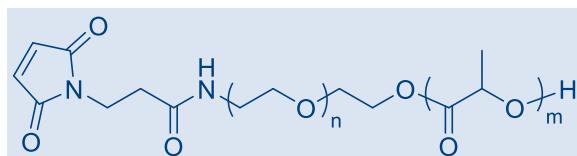
ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE(USD)
<b>A9038-1</b>	4ARM-PEG2500-b-PLA2500,1g	4arm PEG Polylactide Block Copolymer (pentaerythritol), PEG MW 2500, PLA MW 2500	\$500
<b>A9038-10</b>	4ARM-PEG2500-b-PLA2500,10g	4arm PEG Polylactide Block Copolymer (pentaerythritol), PEG MW 2500, PLA MW 2500	\$4,000

### METHOXY PEG POLYLACTIDE BLOCK Co-POLYMERS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A9019-1</b>	MPEG5000-b-PLA2500,1g	Methoxy Polyethylene Glycol Polylactide Block Copolymer, PEG MW 5000, PLA MW 2500	\$100
<b>A9019-10</b>	MPEG5000-b-PLA2500,10g	Methoxy Polyethylene Glycol Polylactide Block Copolymer, PEG MW 5000, PLA MW 2500	\$800
<b>A9037-1</b>	MPEG5000-b-PLA5000,1g	Methoxy Polyethylene Glycol Polylactide Block Copolymer, PEG MW 5000, PLA MW 5000	\$100
<b>A9037-10</b>	MPEG5000-b-PLA5000,10g	Methoxy Polyethylene Glycol Polylactide Block Copolymer, PEG MW 5000, PLA MW 5000	\$800

### MALEIMIDE PEG POLYLACTIDE BLOCK Co-POLYMERS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
<b>A9040-1</b>	MAL-PEG2000-b-PLA2000,1g	Maleimide Polyethylene Glycol Polylactide block copolymer, PEG MW 2000, PLA MW 2000	\$450
<b>A9040-10</b>	MAL-PEG2000-b-PLA2000,10g	Maleimide Polyethylene Glycol Polylactide block copolymer, PEG MW 2000, PLA MW 2000	\$3,600
<b>A9039-1</b>	MAL-PEG5000-b-PLA20K,1g	Maleimide Polyethylene Glycol Polylactide block copolymer, PEG MW 5000, PLA MW 20000	\$500
<b>A9039-10</b>	MAL-PEG5000-b-PLA20K,10g	Maleimide Polyethylene Glycol Polylactide block copolymer, PEG MW 5000, PLA MW 20000	\$4,000

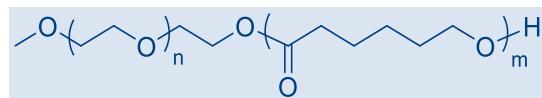
## PEG-POLYCAPROLACTONE BLOCK CO-POLYMERS

## 4ARM PEG POLYCAPROLACTONE BLOCK CO-POLYMERS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE(USD)
<b>A9012-1</b>	4ARM-PEG2500-b-PCL2500,1g	4arm PEG Polycaprolactone Block Copolymer (pentaerythritol), PEG MW 2500, PCL MW 2500	\$550
<b>A9012-10</b>	4ARM-PEG2500-b-PCL2500,10g	4arm PEG Polycaprolactone Block Copolymer (pentaerythritol), PEG MW 2500, PCL MW 2500	\$4,400

## METHOXY PEG POLYCAPROLACTONE BLOCK CO-POLYMERS



ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE(USD)
<b>A9033-1</b>	MPEG2000-b-PCL2000,1g	Methoxy PEG Polycaprolactone Block Copolymer, PEG MW 2000, PCL MW 2000	\$200
<b>A9033-10</b>	MPEG2000-b-PCL2000,10g	Methoxy PEG Polycaprolactone Block Copolymer, PEG MW 2000, PCL MW 2000	\$1,600

## REFERENCES:

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## PEG RAW MATERIALS

JenKem Technology manufactures high quality polyethylene glycol raw materials with high purity and low polydispersity. JenKem Technology's in-house PEG production is back-integrated to the ethylene oxide starting material. JenKem Technology's PEG raw materials (PEG alcohols) are suitable for further derivatization into PEG derivatives.

JenKem Technology provides high quality linear methoxy and benzyl polyethylene glycol raw materials with high purity, low polydispersity, and low to no diol content. These PEG raw materials are end-capped with a methoxy group or benzyl group. Linear PEG raw materials are provided as bulk orders of 100g or more, with the molecular weights of 5kDa, 10kDa, 20kDa, 30kDa, and 40kDa. JenKem Technology provides a Methoxy PEG GPC Calibration Standards kit (STDMPEG) containing linear methoxy PEGs with MW of 2kDa, 5kDa, 10kDa, 20kDa and 40kDa.

JenKem Technology now provides novel 8ARM(TP)-PEG raw materials with tripentaerythritol core. 8ARM(TP)-PEGs with tripentaerythritol core have a higher purity as evidenced by MALDI compared to the generic 8ARM-PEGs with a hexaglycerin core.

JenKem Technology reports the total molecular weight of multi-arm PEG raw materials as the sum of the molecular weights of all the arms. 4ARM-PEG-OH (4arm PEG hydroxyl) is prepared by ethoxylation of pentaerythritol. 6ARM-PEG-OH (6arm PEG hydroxyl) is prepared by ethoxylation of dipentaerythritol. 8ARM-PEG-OH (8arm PEG hydroxyl) is prepared either by ethoxylation of tripentaerythritol (TP), or hexaglycerine. JenKem Technology also provides a 4ARM PEG GPC Calibration Standards kit (STD4ARMPEG) that includes 200 mg each of 4ARM-PEG-2000, 4ARM-PEG-5000, 4ARM-PEG-10K, 4ARM-PEG-20K, and 4ARM-PEG-40K.

PEG raw materials with molecular weights and branching not listed in our catalog may be available by custom synthesis. Please inquire at [tech@jenkemusa.com](mailto:tech@jenkemusa.com) about pricing and availability.

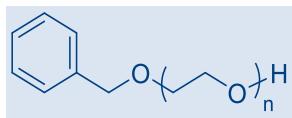
### LINEAR METHOXY PEG RAW MATERIALS



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 2-4 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*P1005R-100	M-PEG-5000R,100g	Methoxy Polyethylene Glycol, MW 5000	\$675
*P1005R-500	M-PEG-5000R,500g	Methoxy Polyethylene Glycol, MW 5000	\$3,375
*P1006R-100	M-PEG-10KR,100g	Methoxy Polyethylene Glycol, MW 10000	\$675
*P1006R-500	M-PEG-10KR,500g	Methoxy Polyethylene Glycol, MW 10000	\$3,375
*P1009R-100	M-PEG-20KR,100g	Methoxy Polyethylene Glycol, MW 20000	\$825
*P1009R-500	M-PEG-20KR,500g	Methoxy Polyethylene Glycol, MW 20000	\$4,125
*P1010R-100	M-PEG-30KR,100g	Methoxy Polyethylene Glycol, MW 30000	\$975
*P1010R-500	M-PEG-30KR,500g	Methoxy Polyethylene Glycol, MW 30000	\$4,875
*P1012R-100	M-PEG-40KR,100g	Methoxy Polyethylene Glycol, MW 40000	\$1,050
*P1012R-500	M-PEG-40KR,500g	Methoxy Polyethylene Glycol, MW 40000	\$5,250

## LINEAR BENZYL PEG RAW MATERIALS

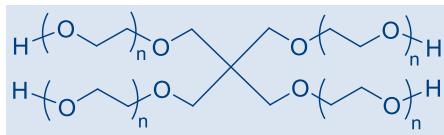


PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 2-4 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*P10001R-100	BENZYL-PEG-2000R,100g	Benzyl Polyethylene Glycol, MW 2000	\$675
*P10001R-500	BENZYL-PEG-2000R,500g	Benzyl Polyethylene Glycol, MW 2000	\$3,375
*P10002R-100	BENZYL-PEG-5000R,100g	Benzyl Polyethylene Glycol, MW 5000	\$675
*P10002R-500	BENZYL-PEG-5000R,500g	Benzyl Polyethylene Glycol, MW 5000	\$3,375

## MULTI-ARM PEG RAW MATERIALS

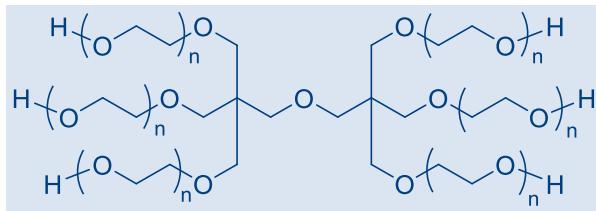
## 4ARM-PEG RAW MATERIALS (PENTAERYTHRITOL CORE)



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 2-4 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
P2001-100	4ARM-PEG-2000,100g	4arm Polyethylene Glycol, MW 2000	\$350
P2001-500	4ARM-PEG-2000,500g	4arm Polyethylene Glycol, MW 2000	\$1,750
*P2002R-100	4ARM-PEG-5000R,100g	4arm Polyethylene Glycol, MW 5000	\$525
*P2002R-500	4ARM-PEG-5000R,500g	4arm Polyethylene Glycol, MW 5000	\$2,625
*P2003R-100	4ARM-PEG-10KR,100g	4arm Polyethylene Glycol, MW 10000	\$525
*P2003R-500	4ARM-PEG-10KR,500g	4arm Polyethylene Glycol, MW 10000	\$2,625
*P2004R-100	4ARM-PEG-15KR,100g	4arm Polyethylene Glycol, MW 15000	\$525
*P2004R-500	4ARM-PEG-15KR,500g	4arm Polyethylene Glycol, MW 15000	\$2,625
*P2005R-100	4ARM-PEG-20KR,100g	4arm Polyethylene Glycol, MW 20000	\$525
*P2005R-500	4ARM-PEG-20KR,500g	4arm Polyethylene Glycol, MW 20000	\$2,625

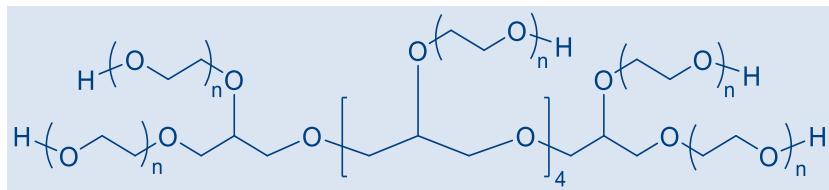
## 6ARM-PEG RAW MATERIALS (DIPENTAERYTHRITOL CORE)



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 2-4 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*P6001R-100	6ARM(DP)-PEG-15KR,100g	6arm Poly(ethylene glycol) (dipentaerythritol), MW 15000	\$675
*P6001R-500	6ARM(DP)-PEG-15KR,500g	6arm Poly(ethylene glycol) (dipentaerythritol), MW 15000	\$3,375
*P6003R-100	6ARM(DP)-PEG-30KR,100g	6arm Poly(ethylene glycol) (dipentaerythritol), MW 30000	\$675
*P6003R-500	6ARM(DP)-PEG-30KR,500g	6arm Poly(ethylene glycol) (dipentaerythritol), MW 30000	\$3,375

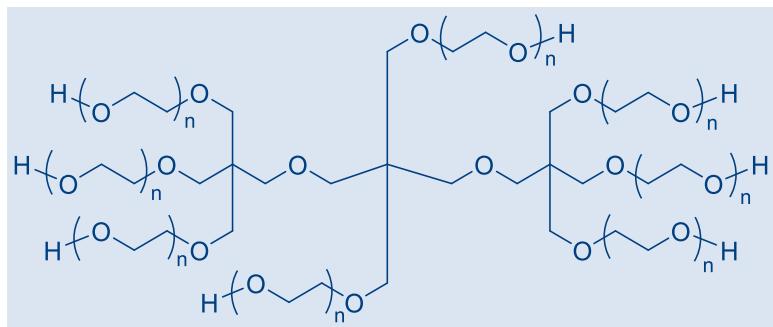
## 8ARM-PEG RAW MATERIALS (HEXAGLYCEROL CORE)



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 2-4 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*P3001R-100	8ARM-PEG-10KR,100g	8arm Polyethylene Glycol (hexaglycerol), MW 10000	\$675
*P3001R-500	8ARM-PEG-10KR,500g	8arm Polyethylene Glycol (hexaglycerol), MW 10000	\$3,375
*P3003R-100	8ARM-PEG-15KR,100g	8arm Polyethylene Glycol (hexaglycerol), MW 15000	\$675
*P3003R-500	8ARM-PEG-15KR,500g	8arm Polyethylene Glycol (hexaglycerol), MW 15000	\$3,375
*P3004R-100	8ARM-PEG-20KR,100g	8arm Polyethylene Glycol (hexaglycerol), MW 20000	\$675
*P3004R-500	8ARM-PEG-20KR,500g	8arm Polyethylene Glycol (hexaglycerol), MW 20000	\$3,375
*P3006R-100	8ARM-PEG-40KR,100g	8arm Polyethylene Glycol (hexaglycerol), MW 40000	\$675
*P3006R-500	8ARM-PEG-40KR,500g	8arm Polyethylene Glycol (hexaglycerol), MW 40000	\$3,375

## 8ARM-PEG RAW MATERIALS (TRIPENTAERYTHRITOL CORE)



PRODUCTS DESIGNATED WITH \* ARE MADE TO ORDER AND MAY NOT BE IN STOCK. THE LEAD TIME FOR SYNTHESIS OF THESE PRODUCTS MAY RANGE FROM 2-4 WEEKS FROM THE DATE WHEN THE ORDER IS RECEIVED.

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*P4001R-100	8ARM(TP)-PEG-10KR,100g	8arm Polyethylene Glycol (tripentaerythritol), MW 10000	\$375
*P4001R-500	8ARM(TP)-PEG-10KR,500g	8arm Polyethylene Glycol (tripentaerythritol), MW 10000	\$1,875

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
*P4003R-100	8ARM(TP)-PEG-15KR,100g	8arm Polyethylene Glycol (tripentaerythritol), MW 15000	\$375
*P4003R-500	8ARM(TP)-PEG-15KR,500g	8arm Polyethylene Glycol (tripentaerythritol), MW 15000	\$1,875
*P4004R-100	8ARM(TP)-PEG-20KR,100g	8arm Polyethylene Glycol (tripentaerythritol), MW 20000	\$375
*P4004R-500	8ARM(TP)-PEG-20KR,500g	8arm Polyethylene Glycol (tripentaerythritol), MW 20000	\$1,875
*P4006R-100	8ARM(TP)-PEG-40KR,100g	8arm Polyethylene Glycol (tripentaerythritol), MW 40000	\$525
*P4006R-500	8ARM(TP)-PEG-40KR,500g	8arm Polyethylene Glycol (tripentaerythritol), MW 40000	\$2,625

## PEG GPC STANDARDS

ITEM CODE	ITEM NUMBER	ITEM DESCRIPTION	PRICE (USD)
STD001	STDMPEG	Methoxy PEG GPC Standards Kit (200mg each MW 2000, 5000, 10000, 20000, 40000)	\$500
STD002	STD4ARMPEG	4ARM PEG GPC Standards Kit (200mg each MW 2000, 5000, 10000, 20000, 40000)	\$500

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PEG NHS Esters and Maleimides react with moisture in the atmosphere. PEG Maleimide, PEG Thiol, and PEG Acrylates are very sensitive to light, so it is important to keep these products in the dark in dry conditions all the times to avoid loss of activity. PEG aldehydes and PEG thiol can be deactivated by exposure to atmospheric oxygen. In addition, all PEG and PEG derivatives react with atmospheric oxygen to form peroxides along the backbone, a very slow process facilitated by light and heavy metals. The peroxides formed in this process can lead to chain cleavage, increasing the polydispersity of PEG and PEG derivatives.

Our PEG derivatives are thoroughly dried and packaged under an inert atmosphere. Generally, shipment of PEG derivatives at ambient temperature will not affect their activity. For long term storage, PEG derivatives should be stored at or below -20°C. Our standard shipping is at ambient temperature. Low temperature shipping (blue ice and dry ice) is also available upon request at an additional charge.

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