

# JenKem Technology

## PEG Products for ADCs

JenKem Technology provides high purity activated heterobifunctional PEGs for Antibody-Drug Conjugates (ADCs). PEG linkers between the antibody and payload can influence the properties<sup>1</sup> of the ADCs:

- ✓ Modulate the physicochemical properties, such as balance the payloads' hydrophobicity, improve solubility, increase DAR, and reduce aggregation
- ✓ Modify the Pharmacodynamic properties, such as increase the rate of payload release and increase invitro cytotoxicity
- ✓ Optimize the pharmacokinetic properties, such as clearance, half-life, and biodistribution

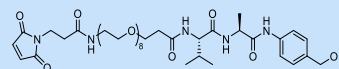
JenKem Technology provides a variety of PEG linkers to help your ADC-related projects.

JenKem Technology's patented multi-arm heterofunctional PEG Derivatives are designed as linkers for ADCs, as they facilitate the coupling of high ratios of drug molecules per antibody, thus increasing Drug-to-antibody ratio (DAR). Additionally, JenKem Technology offers many monodisperse PEG linkers for ADCs with high purity, in large commercial scale, in both GMP and non-GMP grade.

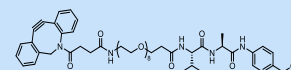
<sup>1</sup> Giese, M. W., Woodman, R. H., Hermanson, G. T. & Davis, P. D. in Chemical Linkers in Antibody-Drug Conjugates (ADCs) 286-376 (The Royal Society of Chemistry, 2022).

### Example Monodisperse PEG Linkers

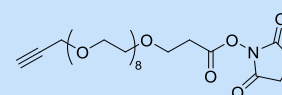
#### MAL-PEG8-VA-PAB



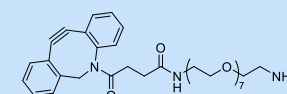
#### DBCO-PEG8-VA-PAB



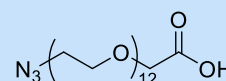
#### ALKYNE-PEG8-SPA



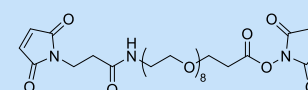
#### DBCO-PEG8-NH2



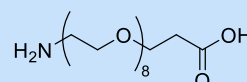
#### AZIDE-PEG12-CM



#### MAL-PEG8-SPA

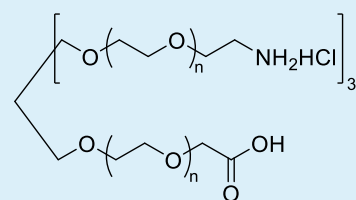


#### NH2-PEG8-PA

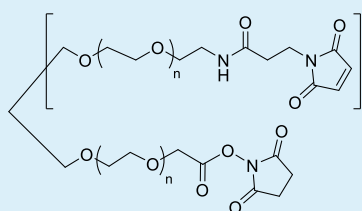


### Example Multi-arm Heterobifunctional PEGs

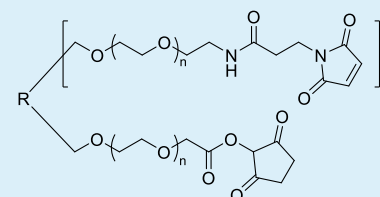
#### (NH2HCl)3-4ARMPEG10K-CM



#### (MAL)3-4ARMPEG10K-SCM



#### (MAL)7-8ARMPEG10K-SCM



R = Hexaglycerol core structure

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