

JenKem Technology

PEG Products for ADCs

July 2022 Newsletter

JenKem Technology provides high purity activated heterobifunctional PEGs for Antibody-Drug Conjugates (ADCs). PEG linkers between the antibody and payload can influence the properties¹ 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).

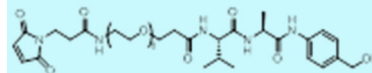
Additionally, JenKem Technology offers many monodisperse PEG linkers for ADCs with high purity, in large commercial scale, in both GMP and non-GMP grade.

¹ 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).

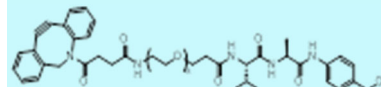
JenKem® 键凯

Example Monodisperse PEG Linkers

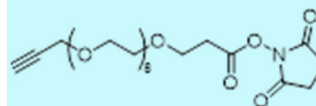
MAL-PEG8-VA-PAB



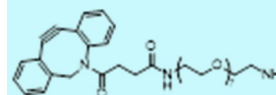
DBCO-PEG8-VA-PAB



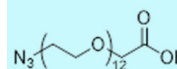
ALKYNE-PEG8-SPA



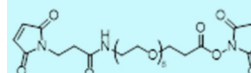
DBCO-PEG8-NH2



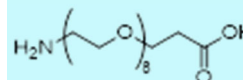
AZIDE-PEG12-CM



MAL-PEG8-SPA

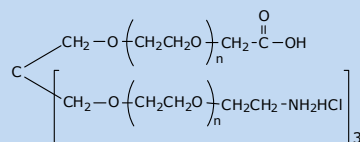


NH2-PEG8-PA

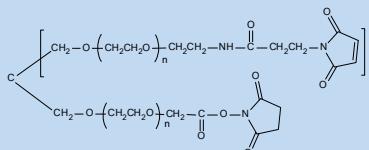


Example Multi-arm Heterobifunctional PEGs

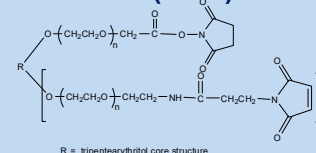
4ARMPEG-(NH2)3-COOH



4ARMPEG-(MAL)3-NHS



8ARMPEG-(MAL)7-NHS



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