

Your Premier Partner for Monodisperse PEG Linkers

Deeply focused on large scale GMP manufacture of high quality Monodisperse PEG for years, JenKem Technology Co., Ltd (Stock Code: 688356.SH) supplies Monodisperse PEG products with industry-recognized high purity, low homolog levels, batch-to-batch consistency, and customization options. We provide laboratory-scale and GMP-grade production of monodisperse PEG Linkers, meeting the precise modification needs of multiple drug modalities such as ADCs, PROTACs, LYTACs, and DACs.

JenKem Technology's Capabilities

- Catalogue Monodisperse PEGs and PEG linker products (PEG2-PEG24)
- PEG Linker Screening
- Custom Synthesis (PEG2-PEG48)
- Quality Studies Related to Clinical Trials
- Annual capacity of 12-20mt, Batch Size up to 100kg
- Supporting 11 Commercial Drugs (Including 1 vaccine) and 16 Commercial Medical Devices Worldwide
- 165 Active Patents
- 19 FDA DMFs, 7 Registration in CDE, 1 Registration in HSA
- Following ICHQ7 Guidelines for GMP Manufacture
- ISO 9001, ISO 13485, ISO 45001, ISO 14001, ISO 50001, ISO 27001, ISO 20400 Certified



Tianjin Facility: Annual Capacity of 2MT with Batch Size up to 10kg



Liaoning Facility: Annual Capacity of 12-20 MT with Batch Size up to 100 kg

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Monodisperse PEGs for ADCs, PROTACs, LYTACs and DACs

- ▶ GMP Manufacture
- ▶ Custom Synthesis
- ▶ IND-Related Services
- ▶ Quality Studies

PEG Derivatives: Enhancing ADC Performance

PEG linkers can significantly improve various aspects of ADC performance:

- Modulate the physicochemical properties, such as balancing the hydrophobicity of the payload, enhancing solubility, increasing DAR, and reducing aggregation.
- Improve PD characteristics by affecting the efficiency of payload release.
- Optimize PK properties, including adjusting ADC clearance rates, extending half-life, and altering biodistribution.

JenKem Technology specializes in the development of high-purity monodisperse PEG linkers for ADCs with various functional groups.

Moreover, our heterobifunctional multi-arm PEG derivatives offer the possibility for maximizing the number of payloads delivered per antibody.

Targeted Protein Degradер Linkers

PEG linkers, with their unique properties, have been widely used in targeted protein degraders (TPDs), including PROTAC, DAC, LYTAC. As evidenced by literature, a significant proportion of the documented PROTAC constructs leverage PEGs as their linkers of choice [1] due to the following advantages:

- Optimized Solubility and Permeability: The integration of PEG enhances water solubility and cellular permeability, directly influencing the bioavailability of degraders.
- Customizable Length for Enhanced Efficiency: A wide selection of PEG linkers with various lengths to optimize the degradation efficiency of the degraders.
- Rapid Diversification for Accelerated Screening: Hetero-functional PEG linkers equipped with multiple connecting groups can facilitate the swift assembly of a broad spectrum of molecules, expediting the discovery of degrader structures.

References:

[1] Troup RI, Fallan C, Baud MGJ. Current strategies for the design of PROTAC linkers: a critical review. Explor Target Antitumor Ther. 2020;1:273-312.

ADC, PROTAC, DAC, and LYTAC Linkers Catalog					
Item Code	Product Structure	Application	Item Code	Product Structure	Application
NH2-PEGn-PA (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	(S,R,S)-AHPC hydrochloride		Linker for PROTAC and DAC
AZIDE-PEGn-NH2 (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	4-Hydroxy-thalidomide		Linker for PROTAC and DAC
NH2-PEGn-PATB (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	Pomalidomide		Linker for PROTAC and DAC
Fmoc-PEGn-PA (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	(S,R,S)-AHPC-PEGn-PA (n=2-8)		Linker for PROTAC and DAC
AZIDE-PEGn-PA (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	(S,R,S)-AHPC-PEGn-NH2 (n=2-8)		Linker for PROTAC and DAC
ALKYNE-PEGn-SPA (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	(S,R,S)-AHPC-PEGn-AZIDE (n=2-8)		Linker for PROTAC and DAC
ALKYNE-PEGn-NH2 (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	(S,R,S)-AHPC-PEGn-ALKYNE (n=2-8)		Linker for PROTAC and DAC
M-PEGn-PA (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	Thalidomide-O-PEGn-PA (n=2-8)		Linker for PROTAC and DAC
M-PEGn-NH2 (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	Thalidomide-O-PEGn-SPA (n=2-8)		Linker for PROTAC and DAC
PA-PEGn-PA (n=2-24)		Linker for ADC, PROTAC, DAC and LYTAC	Thalidomide-O-PEGn-PatBu (n=2-8)		Linker for PROTAC and DAC
MAL-PEGn-PA (n=2-24)		ADC Linker	Thalidomide-O-PEGn-NH2 (n=2-8)		Linker for PROTAC and DAC
MAL-PEGn-SPA (n=2-24)		ADC Linker	Thalidomide-O-PEGn-AZIDE (n=2-8)		Linker for PROTAC and DAC
DBCO-PEGn-PA (n=2-24)		ADC Linker	Thalidomide-O-AMIDO-PEGn-AZIDE (n=2-8)		Linker for PROTAC and DAC
MAL-PEGn-VC-PAB (n=2-24)		ADC Linker	Thalidomide-O-PEGn-ALKYNE (n=2-8)		Linker for PROTAC and DAC
MAL-PEGn-VA-PAB (n=2-24)		ADC Linker	Thalidomide-O-AMIDO-PEGn-ALKYNE (n=2-8)		Linker for PROTAC and DAC
DBCO-PEGn-VC-PAB (n=2-24)		ADC Linker	Pomalidomide-PEGn-PA (n=2-8)		Linker for PROTAC and DAC
DBCO-PEGn-VA-PAB (n=2-24)		ADC Linker			

If your desired linker is not listed, please contact us at sales@jenkemusa.com. JenKem Technology is prepared to offer custom synthesis of PEG Linkers to provide comprehensive support for your R&D and commercial initiatives.