

m-PEG10-alcohol

Chemical Properties

CAS No.:	27425-92-9
Formula:	C ₂₁ H ₄₄ O ₁₁
Molecular Weight:	472.57
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	m-PEG10-alcohol (Decaethylene glycol monomethyl ether) is a non-cleavable 10 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. m-PEG10-alcohol is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].
Targets(IC ₅₀)	PEGs: None Non-cleavable: None
In vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1]. PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.116 mL	10.58 mL	21.161 mL
5 mM	0.423 mL	2.116 mL	4.232 mL
10 mM	0.212 mL	1.058 mL	2.116 mL
50 mM	0.042 mL	0.212 mL	0.423 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Nnochiri Ekwuribe, et al. Calcitonin drug-oligomer conjugates, and uses thereof. US20040091452A1.

Inhibitors · Natural Compounds · Compound Libraries

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