

Bis-propargyl-PEG8

Chemical Properties

CAS No.:	1092554-87-4
Formula:	C ₂₂ H ₃₈ O ₉
Molecular Weight:	446.53
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Bis-propargyl-PEG8 (compound 16e) is a PEG-based PROTAC linker can be used in the synthesis of PROTACs.
Targets(IC ₅₀)	PEGs: None
In vitro	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.

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	2.239 mL	11.197 mL	22.395 mL
5 mM	0.448 mL	2.239 mL	4.479 mL
10 mM	0.224 mL	1.12 mL	2.239 mL
50 mM	0.045 mL	0.224 mL	0.448 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. Jervis PJ, et al. Towards multivalent CD1d ligands: synthesis and biological activity of homodimeric α -galactosyl ceramide analogues. Carbohydr Res. 2012 Jul 15;356:152-62.

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