

DBCO-PEG12-NHS ester

Chemical Properties

CAS No.:	T17783
Formula:	C ₅₀ H ₇₁ N ₃ O ₁₈
Molecular Weight:	1002.11
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	DBCO-PEG12-NHS ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].
Targets(IC ₅₀)	PEGs: None Alkyl/ether: 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[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	0.998 mL	4.989 mL	9.979 mL
5 mM	0.2 mL	0.998 mL	1.996 mL
10 mM	0.1 mL	0.499 mL	0.998 mL
50 mM	0.02 mL	0.1 mL	0.2 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. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

Inhibitors · Natural Compounds · Compound Libraries

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