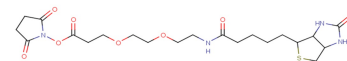


Biotin-PEG2-NHS ester

Chemical Properties

CAS No.:	596820-83-6
Formula:	C ₂₁ H ₃₂ N ₄ O ₈ S
Molecular Weight:	500.57
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Biotin-PEG2-NHS ester is a biotin-labeled, PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].
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[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	1.998 mL	9.989 mL	19.977 mL
5 mM	0.4 mL	1.998 mL	3.995 mL
10 mM	0.2 mL	0.999 mL	1.998 mL
50 mM	0.04 mL	0.2 mL	0.4 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. Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

Inhibitors · Natural Compounds · Compound Libraries

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