

## Biotin-PEG2-NHS ester

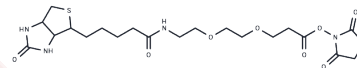
## Chemical Properties

CAS No. : 596820-83-6

Formula: C<sub>21</sub>H<sub>32</sub>N<sub>4</sub>O<sub>8</sub>S

Molecular Weight: 500.57

Storage: Keep away from moisture, Keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	Biotin-PEG2-NHS ester is a PROTAC linker consisting of biotin, PEG and NHS for the synthesis of PROTAC.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase while the other targets the protein of interest. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (199.77 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9977 mL	9.9886 mL	19.9772 mL
5 mM	0.3995 mL	1.9977 mL	3.9954 mL
10 mM	0.1998 mL	0.9989 mL	1.9977 mL
50 mM	0.040 mL	0.1998 mL	0.3995 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

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