

## Pyrene-PEG5-biotin

## Chemical Properties

CAS No. :

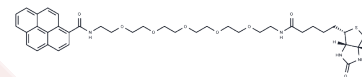
Formula: C39H50N4O8S

Molecular Weight: 734.9

Keep away from direct sunlight

Storage: 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	Pyrene-PEG5-biotin is a PEG-based linker for PROTACs, joining two essential ligands and facilitating selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked by a connector, one binding to an E3 ubiquitin ligase and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3607 mL	6.8036 mL	13.6073 mL
5 mM	0.2721 mL	1.3607 mL	2.7215 mL
10 mM	0.1361 mL	0.6804 mL	1.3607 mL
50 mM	0.0272 mL	0.1361 mL	0.2721 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

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

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