

## Cy5-PEG6-acid

## Chemical Properties

CAS No. :

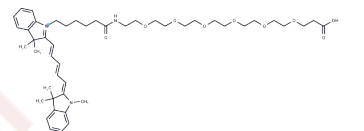
Formula: C47H68ClN3O9

Molecular Weight: 854.51

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	Cy5-PEG6-acid is a PEG-based linker for PROTACs, joining two essential ligands crucial for PROTAC molecule formation, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1703 mL	5.8513 mL	11.7026 mL
5 mM	0.2341 mL	1.1703 mL	2.3405 mL
10 mM	0.117 mL	0.5851 mL	1.1703 mL
50 mM	0.0234 mL	0.117 mL	0.2341 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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