

## Carboxyfluorescein-PEG12-NHS

## Chemical Properties

CAS No. : 2246595-66-2

Formula: C52H68N2O22

Molecular Weight: 1073.108

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	Carboxyfluorescein-PEG12-NHS is a polyethylene glycol (PEG)-based PROteolysis TArgeting Chimera (PROTAC) linker. It serves as a crucial component in synthesizing PROTACs, a class of molecules designed for targeted protein degradation[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins. They comprise two distinct ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, while the other targets the specific protein[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9319 mL	4.6594 mL	9.3187 mL
5 mM	0.1864 mL	0.9319 mL	1.8637 mL
10 mM	0.0932 mL	0.4659 mL	0.9319 mL
50 mM	0.0186 mL	0.0932 mL	0.1864 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481