

## Biotin-PEG4-TFP ester

## Chemical Properties

CAS No.:	T17588
Formula:	C <sub>27</sub> H <sub>37</sub> F <sub>4</sub> N <sub>3</sub> O <sub>8</sub> S
Molecular Weight:	639.66
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

## Biological Description

Description	Biotin-PEG4-TFP ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].
Targets(IC <sub>50</sub> )	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	1.563 mL	7.817 mL	15.633 mL
5 mM	0.313 mL	1.563 mL	3.127 mL
10 mM	0.156 mL	0.782 mL	1.563 mL
50 mM	0.031 mL	0.156 mL	0.313 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. 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](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481