

Phthalimide-PEG3-C2-OTs

Chemical Properties

CAS No. : 382162-12-1

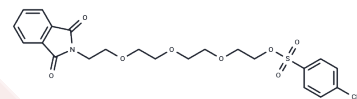
Formula: C₂₃H₂₇N₁O₈S

Molecular Weight: 477.53

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	Phthalimide-PEG3-C2-OTs (Compound 5) is a PROTAC linker composed of PEGs, utilized in the synthesis of various PROTACs that connect two distinct ligands through a linker. One ligand targets an E3 ubiquitin ligase, while the other targets the specific protein of interest, enabling selective protein degradation through the ubiquitin-proteasome system [1].
Targets(IC50)	Others,PROTAC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0941 mL	10.4705 mL	20.9411 mL
5 mM	0.4188 mL	2.0941 mL	4.1882 mL
10 mM	0.2094 mL	1.0471 mL	2.0941 mL
50 mM	0.0419 mL	0.2094 mL	0.4188 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

Stegmaier P, et al. Photoactive branched and linear surface architectures for functional and patterned immobilization of proteins and cells onto surfaces: a comparative study. Chemphyschem. 2009 Feb 2;10(2):357-69.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481