

SPDP-C6-NHS ester

Chemical Properties

CAS No. : 158913-22-5

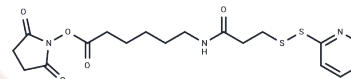
Formula: C₁₈H₂₃N₃O₅S₂

Molecular Weight: 425.52

Store at low temperature

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	SPDP-C6-NHS ester is an alkyl/ether-based linker used in the synthesis of PROTACs. PROTAC molecules contain two ligands joined by a linker: one ligand recruits an E3 ubiquitin ligase and the other binds to a target protein. SPDP-C6-NHS ester enables selective degradation of target proteins by exploiting the ubiquitin-proteasome system.
Targets(IC50)	Others,PROTAC Linker

Solubility Information

Solubility	DMSO: 40 mg/mL (94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.7 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3501 mL	11.7503 mL	23.5007 mL
5 mM	0.470 mL	2.3501 mL	4.7001 mL
10 mM	0.235 mL	1.175 mL	2.3501 mL
50 mM	0.047 mL	0.235 mL	0.470 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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