

E3 ligase Ligand 8

Chemical Properties

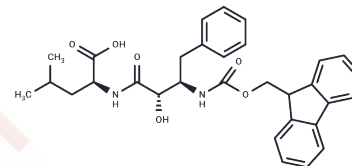
CAS No. : 1225383-33-4

Formula: C₃₁H₃₄N₂O₆

Molecular Weight: 530.61

Storage: Keep away from direct sunlight
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	E3 ligase Ligand 8, a ligand for E3 ubiquitin ligase, can be connected to protein ligands through linkers to form PROTACs, which induce ubiquitination-mediated degradation of cancer-promoting proteins.
Targets(IC50)	Ligands for E3 Ligase,PROTAC Linker

Solubility Information

Solubility	DMSO: 90 mg/mL (169.62 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: 3.3 mg/mL (6.22 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	1.8846 mL	9.4231 mL	18.8462 mL
5 mM	0.3769 mL	1.8846 mL	3.7692 mL
10 mM	0.1885 mL	0.9423 mL	1.8846 mL
50 mM	0.0377 mL	0.1885 mL	0.3769 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

Shibata N, et al. Development of Protein Degradation Inducers of Androgen Receptor by Conjugation of Androgen Receptor Ligands and Inhibitor of Apoptosis Protein Ligands. J Med Chem. 2018 Jan 25;61(2):543-575.

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