

ZXH-3-26

Chemical Properties

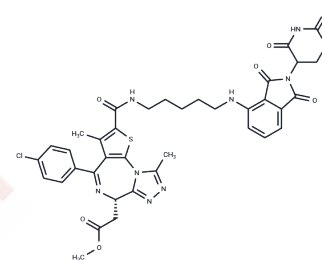
CAS No. : 2243076-67-5

Formula: C₃₈H₃₇ClN₈O₇S

Molecular Weight: 785.27

Storage: Store at low temperature, Store under nitrogen
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	ZXH-3-26 is a PROTAC composed of a Cereblon ligand, an E3 ubiquitin ligase, and a BRD4 ligand that can be used to study cancer.
Targets(IC50)	Epigenetic Reader Domain, PROTACs
In vitro	BRD4 degradation was determined using 100nM ZXH-3-26. Obvious degradation of BRD4 was observed after 30min, and complete depletion was observed after 4h. [2]

Solubility Information

Solubility	DMSO: 160 mg/mL (203.75 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: 5 mg/mL (6.37 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	1.2734 mL	6.3672 mL	12.7345 mL
5 mM	0.2547 mL	1.2734 mL	2.5469 mL
10 mM	0.1273 mL	0.6367 mL	1.2734 mL
50 mM	0.0255 mL	0.1273 mL	0.2547 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

Nowak RP, et al. Plasticity in binding confers selectivity in ligand-induced protein degradation. *Nat Chem Biol.* 2018 Jul;14(7):706-714.

Shi Y, et al. BRD4-targeting PROTAC as a unique tool to study biomolecular condensates. *Cell Discov.* 2023 May 9;9(1):47.

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