

ZXH-4-130

## Chemical Properties

CAS No. : 2711006-66-3

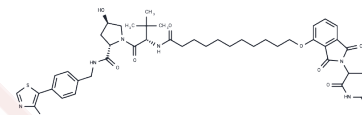
Formula: C<sub>46</sub>H<sub>58</sub>N<sub>6</sub>O<sub>9</sub>S

Molecular Weight: 871.06

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	ZXH-4-130 is a potent and selective CRBN degrader, functioning as a hetero-PROTAC compound with the inclusion of CRBN-VHL.
Targets(IC50)	Others,PROTACs
In vitro	Pre-treatment with ZXH-4-130 at concentrations of 100 nM for 2 hours, followed by a 96-hour exposure to 1 μM Pomalidomide, significantly mitigates the cytotoxic effects of Pomalidomide in MM1.S cells, demonstrating a statistically significant protective effect. Furthermore, a 2-hour pre-treatment with 50 nM ZXH-4-130 effectively prevents the degradation of GSPT1, which is induced by CC-885 through the recruitment of CRBN E3 ligase, underscoring the compound's ability to preserve GSPT1 levels. Additionally, a 2-hour pre-treatment with 100 nM ZXH-4-130 followed by a 6-hour exposure to THAL-SNS-032 substantially degrades CRBN, although it only partially inhibits THAL-SNS-032's activity against CDK9. These findings are supported by cell viability assays and western blot analysis, which confirm that ZXH-4-130 significantly prevents Pomalidomide-induced cytotoxicity and GSPT1 degradation in MM1.S cells.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.148 mL	5.7401 mL	11.4803 mL
5 mM	0.2296 mL	1.148 mL	2.2961 mL
10 mM	0.1148 mL	0.574 mL	1.148 mL
50 mM	0.023 mL	0.1148 mL	0.2296 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

Chelsea E Powell, et al. Selective degradation-inducing probes for studying cereblon (CRBN) biology. RSC Med Chem. 2021 Jul 6;12(8):1381-1390.

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