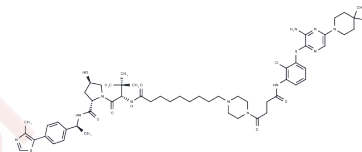


## SHP2-D26

## Chemical Properties

CAS No. :	2458219-65-1
Formula:	C <sub>56</sub> H <sub>79</sub> ClN <sub>12</sub> O <sub>6</sub> S <sub>2</sub>
Molecular Weight:	1115.9
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	SHP2-D26 is a highly potent and effective SHP2 degrader that induces targeted SHP2 protein degradation through simultaneous binding to VHL-1 and SHP2, with degradation strictly dependent on neddylation and proteasome activity, thereby providing a powerful chemical biology tool for dissecting SHP2-driven signaling networks in cancer and immune regulation.
Targets(IC50)	Phosphatase, PROTACs
In vitro	In cellular assays utilizing KYSE520 and MV-4-11 cell lines, SHP2-D26 reduced SHP2 protein levels in a dose- and time-dependent manner with DC50 values of 6.0 nM and 2.6 nM respectively. Complete depletion was achieved by 8 hours at 100 nM. Functionally, the compound exhibited cytotoxicity against these cancer cell lines after a 4-day incubation with IC50 values of 0.66 μM and 0.99 nM [1].

## Solubility Information

Solubility	DMSO: 65 mg/mL (58.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	0.8961 mL	4.4807 mL	8.9614 mL
5 mM	0.1792 mL	0.8961 mL	1.7923 mL
10 mM	0.0896 mL	0.4481 mL	0.8961 mL
50 mM	0.0179 mL	0.0896 mL	0.1792 mL

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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

Wang M, et al. Discovery of SHP2-D26 as a First, Potent, and Effective PROTAC Degradator of SHP2 Protein [published correction appears in J Med Chem. 2021 Jan 14;64(1):906-908]. J Med Chem. 2020;63(14):7510-7528.

Wang M, et al. Correction to "Discovery of SHP2-D26 as a First, Potent, and Effective PROTAC Degradator of SHP2 Protein". J Med Chem. 2021 Jan 14;64(1):906-908.

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