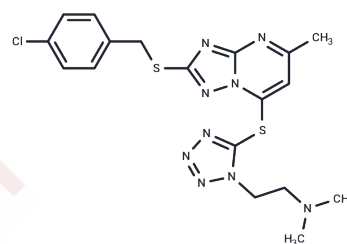


## WS-383 free base

## Chemical Properties

CAS No. :	2247543-65-1
Formula:	C <sub>18</sub> H <sub>20</sub> ClN <sub>9</sub> S <sub>2</sub>
Molecular Weight:	461.99
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	WS-383 free base is a selective and reversible DCN1-UBC12 interaction inhibitor with an IC <sub>50</sub> of 11 nM.
Targets(IC <sub>50</sub> )	Others,E1/E2/E3 Enzyme
In vitro	WS-383 (0.03-3 μM;24 hours) blocks Cul3 neddylation at 3 μM and also has certain inhibition of Cul1 neddylation at 10 μM but was not effective in inhibiting neddylation of other cullin members. WS-383 (0.03-3 μM;24 hours) increases Cul1, Skp1 (adaptor protein), F-box protein, and RBX1/RBX2 RING protein form SCF E3 complex. Cyclin dependent kinase inhibitor 1A (p21) and cyclin dependent kinase inhibitor 1B (p27) expression in a dose-dependent manner in MGC-803 and KYSE70 manner.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1645 mL	10.8227 mL	21.6455 mL
5 mM	0.4329 mL	2.1645 mL	4.3291 mL
10 mM	0.2165 mL	1.0823 mL	2.1645 mL
50 mM	0.0433 mL	0.2165 mL	0.4329 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

Wang S, et al. Development of Highly Potent, Selective, and Cellular Active Triazolo[1,5- a]pyrimidine-Based Inhibitors Targeting the DCN1-UBC12 Protein-Protein Interaction.J Med Chem. 2019 Mar 14;62(5):2772-2797.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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