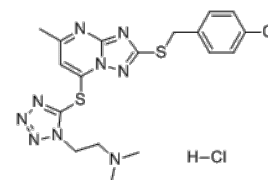


**Product Name** : WS-383 hydrochloride  
**Cat. No.** : PC-36110  
**CAS No.** : 2247544-02-9  
**Molecular Formula** : C<sub>18</sub>H<sub>21</sub>Cl<sub>2</sub>N<sub>9</sub>S<sub>2</sub>  
**Molecular Weight** : 498.449  
**Target** : Ubiquitin-conjugating Enzyme (E2)  
**Solubility** : 10 mM in DMSO



## Biological Activity

WS-383 hydrochloride (WS383) is a highly potent, selective, and cellular active inhibitor of **DCN1-UBC12** interaction with IC<sub>50</sub> of 11 nM.

WS-383 inhibits Cul3/1 neddylation selectively over other cullins and also induces accumulation of p21, p27 and NRF2. WS-383 exhibits cellular target engagement to DCN1 in MGC-803 cells, enhances the thermal stability of cellular DCN1 protein even at 1 uM.

## References

Wang S, et al. *J Med Chem*. 2019 Feb 25. doi: 10.1021/acs.jmedchem.9b00113.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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