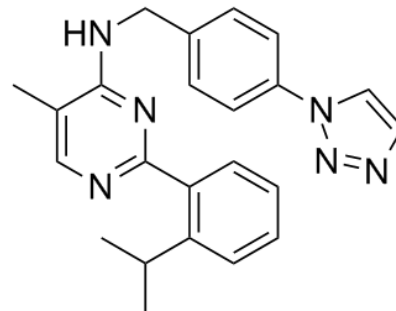


Product Name : ML-323
Cat. No. : PC-45341
CAS No. : 1572414-83-5
Molecular Formula : C₂₃H₂₄N₆
Molecular Weight : 384.4769
Target : Deubiquitinase (DUB)
Solubility : DMSO: ≥ 49 mg/mL



Biological Activity

ML323 (ML 323) is a potent, selective, reversible inhibitor of the **USP1/UAF1 deubiquitinase** complex with IC₅₀ of 76 nM. ML323 displays >1,500-fold selectivity versus USP2, USP5, USP7, USP8, and USP46/UAF1. ML323 potentiates the cytotoxicity of cisplatin and increases endogenous monoubiquitination levels of both PCNA and FANCD2, two known cellular targets of USP1/UAF1. ML323 possesses a promising in vitro ADME profile.

References

- Liang Q, et al. *Nat Chem Biol*. 2014 Apr;10(4):298-304.
Dexheimer TS, et al. *J Med Chem*. 2014 Oct 9;57(19):8099-110.
Sourisseau T, et al. *Cell Cycle*. 2016;15(2):295-302. doi: 10.1080/15384101.2015.1120918.

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

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