

Product Name : ML-323

Synonyms : ML323;ML 323

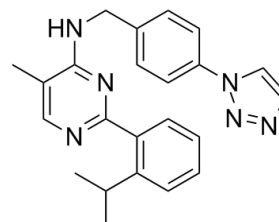
Cat No. : M12245

CAS Number : 1572414-83-5

Molecular Formula : C₂₃H₂₄N₆

Formula Weight : 384.48

Chemical Name : N-(4-(1H-1,2,3-triazol-1-yl)benzyl)-2-(2-isopropylphenyl)-5-methylpyrimidin-4-amine



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

Pathway : Proteasome/Ubiquitin

Target : DUB

Receptor : USP1-UAF1

Solubility : DMSO: ≥ 49 mg/mL

SMILES : CC1=CN=C(C2=CC=CC=C2C(C)C)N=C1NCC3=CC=C(N4N=NC=C4)C=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Liang Q, et al. Nat Chem Biol. 2014 Apr;10(4):298-304. | 2. Dexheimer TS, et al. J Med Chem. 2014 Oct 9;57(19):8099-110. | 3. Sourisseau T, et al. Cell Cycle. 2016;15(2):295-302. doi: 10.1080/15384101.2015.1120918.