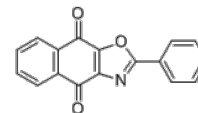


Product Name : SJB2-043
Cat. No. : PC-73197
CAS No. : 63388-44-3
Molecular Formula : C₁₇H₉NO₃
Molecular Weight : 275.26
Target : Deubiquitinase (DUB)
Solubility : 10 mM in DMSO



Biological Activity

SJB2-043 is a small molecule, specific **USP1** inhibitor, inhibits USP1/UAF1 complex with IC₅₀ of 0.544 uM.

SJB2-043 is an inhibitor of the native USP1/UAF1 complex.

SJB2-043 promotes ID1 degradation and inhibits growth of the leukemic cell line K562, also causes a decrease in the levels of other ID proteins, namely ID2 and ID3.

SJB2-043 causes cytotoxicity in multiple AML cell line K562 with EC₅₀ of 1.07 uM, and exhibits growth inhibition of primary AML cells from patients.

SJB2-043 increases the levels of Ub-FANCD2, decreases the HR activity, and sensitizes the cells to chemotherapy agents.

SJB2-043 also inhibits SARS-CoV-2 papain-like protease (PLpro) with IC₅₀ of <10 uM.

References

Mistry H, et al. *Mol Cancer Ther.* 2013 Dec;12(12):2651-62.

Chia-Chuan Cho, et al. *ChemMedChem.* 2022 Jan 5;17(1):e202100455.

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

E-mail: tech@probechem.com