

SJB2-043

Catalog No: tcsc1650



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

63388-44-3

Formula:

$C_{17}H_9NO_3$

Pathway:

Cell Cycle/DNA Damage

Target:

Deubiquitinase

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

275.26

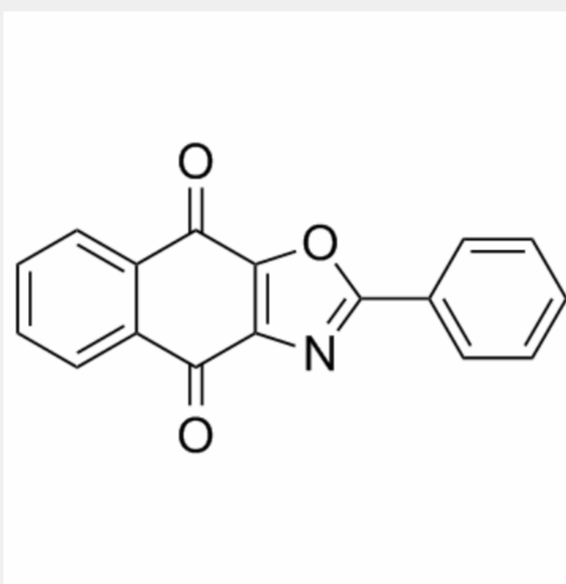
Product Description

SJB2-043 is an inhibitor of the native **USP1/UAF1** complex with **IC₅₀**

of 544 nM.

IC50 & Target: IC50: 544 nM (USP1/UAF1)^[1]

In Vitro: SJB2-043 causes a dose-dependent decrease in ubiquitin-specific protease 1 (USP1) levels and a concomitant degradation of inhibitor of DNA-binding-1 (ID1) protein in the K562 cells at a micromolar drug concentration. SJB2-043 also causes a decrease in the levels of other ID proteins, namely ID2 and ID3 in K562 cells. SJB2-043 causes a dose-dependent decrease in the number of viable K562 cells, with an EC₅₀ of approximately 1.07 μM. Moreover, SJB2-043 induces apoptosis of K562 cells in a dose-dependent manner^[1].



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