

# 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

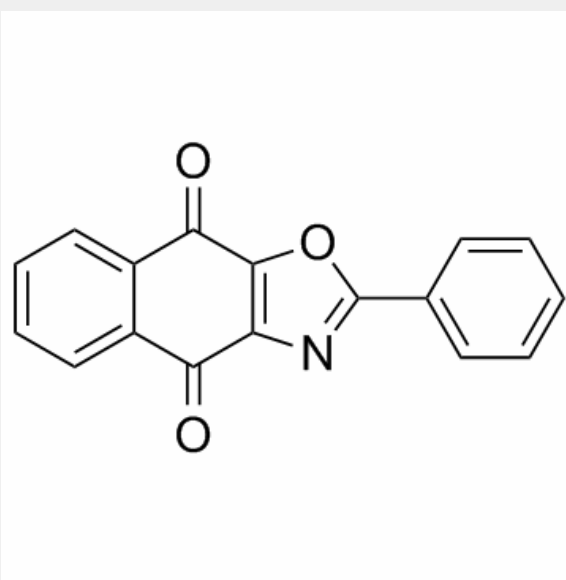
## Product Description

SJB2-043 is an inhibitor of the native **USP1/UAF1** complex with **IC<sub>50</sub>**

of 544 nM.

IC50 & Target: IC50: 544 nM (USP1/UAF1)<sup>[1]</sup>

***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 EC<sub>50</sub> of approximately 1.07 μM. Moreover, SJB2-043 induces apoptosis of K562 cells in a dose-dependent manner<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!