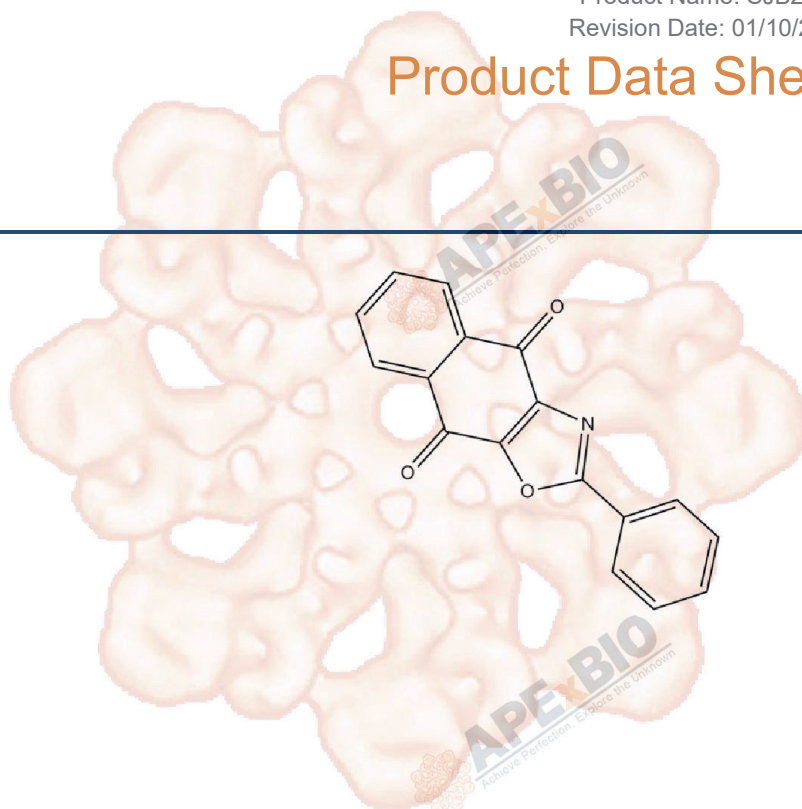


Product Data Sheet

SJB2-043

Cat. No.:	A3823
CAS No.:	63388-44-3
Formula:	C ₁₇ H ₉ NO ₃
M.Wt:	275.26
Synonyms:	
Target:	Ubiquitination/ Proteasome
Pathway:	DUB
Storage:	Store at -20°C



Solvent & Solubility

insoluble in H₂O; insoluble in EtOH; ≥4.62 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	Concentration			
	1 mM	3.6329 mL	18.1646 mL	36.3293 mL
	5 mM	0.7266 mL	3.6329 mL	7.2659 mL
	10 mM	0.3633 mL	1.8165 mL	3.6329 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

USP1 inhibitor

IC₅₀ & Target

In Vitro

Cell Viability Assay

Cell Line: K562 cells

Preparation method: This compound is soluble in DMSO. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Reacting conditions: 0, 0.5, 1, 1.5, 2, 5 and 10 μM; 24 hrs

	Applications:	In K562 cells, SJB2-043 decreased USP1 levels in a dose-dependent way and caused degradation of the ID1 protein, which resulted from proteasomal degradation.
In Vivo	Animal experiment	
	Applications:	

Product Citations

See more customer validations on www.apexbt.com.

References

[1]. Helena Mistry, Grace Hsieh, Sara S, et al. Buhrlage, et al. Small molecule inhibitors of USP1 target ID1 degradation in leukemic cells. Mol Cancer Ther, 2013, 12(12): 2651-2662.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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