

Product Name: C527 Revision Date: 01/10/2021

Product Data Sheet

C527

Cat. No.: A8693

CAS No.: 192718-06-2
Formula: C17H8FNO3

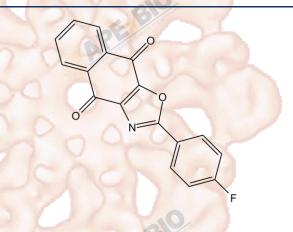
M.Wt: 293.25

Synonyms:

Target: Ubiquitination/ Proteasome

Pathway: DUB

Storage: Store at -20°C



Solvent & Solubility

insoluble in EtOH; insoluble in H2O; insoluble in DMSO

In Vitro

Preparing Stock Solutions	Solvent Concentration	1mg	5mg	10mg
	1 mM	3.4101 mL	17.0503 mL	34.1006 mL
	5 mM	0.6820 mL	3.4101 mL	6.8201 mL
	10 mM	0.3410 mL	1.7050 mL	3.4101 mL

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

Biological Activity

Reacting conditions:

Shortsummary	Inhibitor of USP1/USF1 co	Inhibitor of USP1/USF1 complex		
IC ₅₀ & Target				
	Cell Viability Assay	A CONTRACTOR OF THE PARTY OF TH		
	Cell Line:	human U20S osteosarcoma cells, Hela cells		
	Preparation method:	The solubility of this compound in DMSO is <2.93mg/mL. General tips for		
In Vitro		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.		

	Applications:	In human U20S osteosarcoma cells, C527 promoted ID1 degradation in a
		dose-dependent way. In Hela cells, C527 increased the levels of Ub-FANCD2
		and Ub-FANCI. Pre-treatment with C527 also enhanced the cytoxicity of DNA
		damaging agents including Mitomyin C and Camptothecin. C527 inhibited
		Camptothecin induced the Rad51 foci formation and reduced homologous
	210	recombination (HR) activity.
In Vivo	Animal experiment	
	Applications:	Section 1

Product Citations

See more customer validations on www.apexbt.com.

References

1.Mistry H, Hsieh G, Buhrlage SJ et al. Small-molecule inhibitors of USP1 target ID1 degradation in leukemic cells. Mol Cancer Ther. 2013 Dec;12(12):2651-62. doi: 10.1158/1535-7163.MCT-13-0103-T. Epub 2013 Oct 15.

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 APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm 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.

APExBIO Technology

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