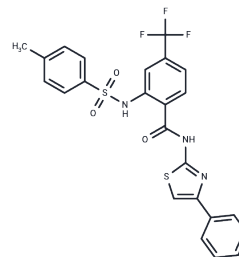


ML364

Chemical Properties

CAS No. :	1991986-30-1
Formula:	C ₂₄ H ₁₈ F ₃ N ₃ O ₃ S ₂
Molecular Weight:	517.54
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	ML364 is an inhibitor of ubiquitin specific peptidase 2 (USP2) and can be used for the research of breast cancer.
Targets(IC50)	DUB

Solubility Information

Solubility	DMSO: 50 mg/mL (96.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.86 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9322 mL	9.6611 mL	19.3222 mL
5 mM	0.3864 mL	1.9322 mL	3.8644 mL
10 mM	0.1932 mL	0.9661 mL	1.9322 mL
50 mM	0.0386 mL	0.1932 mL	0.3864 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Davis MI, et al. Small Molecule Inhibition of the Ubiquitin-specific Protease USP2 Accelerates cyclin D1 Degradation and Leads to Cell Cycle Arrest in Colorectal Cancer and Mantle Cell Lymphoma Models. J Biol Chem. 2016 Nov 18; 291(47):24628-24640. Epub 2016 Sep 28.

Zhang F, Zhao Y, Sun Y. USP2 is an SKP2 deubiquitylase that stabilizes both SKP2 and its substrates. Journal of Biological Chemistry. 2021, 297(4)

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481