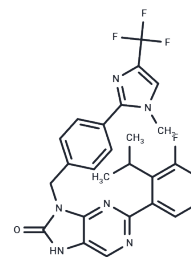


USP1-IN-2

Chemical Properties

CAS No. : 2098212-05-4
 Formula: C₂₆H₂₂F₄N₆O
 Molecular Weight: 510.486
 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	USP1-IN-2 is a potent USP1 inhibitor with potential anti-tumor activity for the study of cancer.
Targets(IC50)	DUB

Solubility Information

Solubility	DMSO: 50 mg/mL (97.95 mM), Sonification 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 (3.92 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	1.9589 mL	9.7945 mL	19.589 mL
5 mM	0.3918 mL	1.9589 mL	3.9178 mL
10 mM	0.1959 mL	0.9795 mL	1.9589 mL
50 mM	0.0392 mL	0.1959 mL	0.3918 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

Alexandre Joseph Buckmelter, et al. Purinones as ubiquitin-specific protease 1 inhibitors. Patent US20170145012A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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