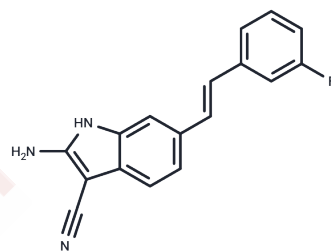


GSK2643943A

Chemical Properties

CAS No. : 2449301-27-1
 Formula: C17H12FN3
 Molecular Weight: 277.3
 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	GSK2643943A is a deubiquitylating enzyme (DUB) inhibitor, with an IC ₅₀ of 160 nM for USP20/Ub-Rho. GSK2643943A has anti-tumor efficacy.
Targets(IC ₅₀)	DUB

Solubility Information

Solubility	DMSO: 125 mg/mL (450.78 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: 4 mg/mL (14.42 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	3.6062 mL	18.031 mL	36.062 mL
5 mM	0.7212 mL	3.6062 mL	7.2124 mL
10 mM	0.3606 mL	1.8031 mL	3.6062 mL
50 mM	0.0721 mL	0.3606 mL	0.7212 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

Harrigan JA, et al. Deubiquitylating enzymes and drug discovery: emerging opportunities. Nat Rev Drug Discov. 2018 Jan; 17(1):57-78.

Nishi Kumari, et al. Targeting the Ubiquitin Proteasome System in Cancer. Neoplasms. 2017 Dec.

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