

Bleximenib oxalate

Chemical Properties

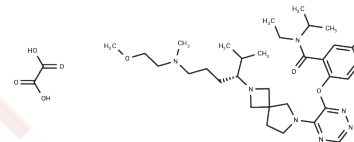
CAS No. : 2866179-95-3

Formula: C34H52FN7O7

Molecular Weight: 689.82

Storage: Store at low temperature, Keep away from moisture
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	Bleximenib oxalate (Menin-MLL inhibitor 24 oxalate) is a selective and highly efficient menin-MLL inhibitor. It shows antiproliferative activity in acute lymphoblastic leukemia (ALL) cell lines and inhibits the binding of the menin-KMT2A complex to chromatin at the target gene promoter.
Targets(IC50)	Apoptosis, Epigenetic Reader Domain, FLT, Histone Methyltransferase

Solubility Information

Solubility	DMSO: 80 mg/mL (115.97 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: 3.3 mg/mL (4.78 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	1.4497 mL	7.2483 mL	14.4965 mL
5 mM	0.2899 mL	1.4497 mL	2.8993 mL
10 mM	0.145 mL	0.7248 mL	1.4497 mL
50 mM	0.029 mL	0.145 mL	0.2899 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

Kwon Min Chul, et al. Preclinical efficacy of the potent, selective menin-KMT2A inhibitor JNJ-75276617 (bleximenib) in KMT2A- and NPM1-altered leukemias. *Blood* 144.11 (2024): 1206-1220.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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