

DW71177

Chemical Properties

CAS No. : 2241311-72-6

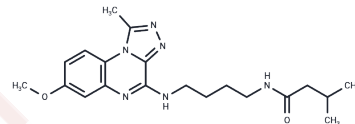
Formula: C₂₀H₂₈N₆O₂

Molecular Weight: 384.48

Store at low temperature

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	DW71177 is a bd1-selective and potent BET inhibitor with potent anti-leukemic activity for the study of leukemia.
Targets(IC50)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 40 mg/mL (104.04 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 (5.2 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	2.6009 mL	13.0046 mL	26.0092 mL
5 mM	0.5202 mL	2.6009 mL	5.2018 mL
10 mM	0.2601 mL	1.3005 mL	2.6009 mL
50 mM	0.052 mL	0.2601 mL	0.5202 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

Ali I, et al. DW71177: A novel [1,2,4]triazolo[4,3-a]quinoxaline-based potent and BD1-Selective BET inhibitor for the treatment of acute myeloid leukemia. Eur J Med Chem. Published online December 16, 2023.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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