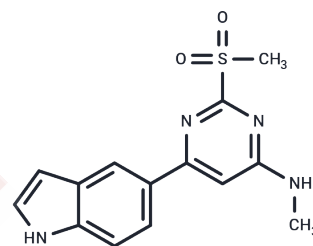


DC-BPi-03

Chemical Properties

CAS No. : 2758411-46-8
 Formula: C₁₄H₁₄N₄O₂S
 Molecular Weight: 302.35
 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	DC-BPi-03 is a potent BPTF-BRD inhibitor, exhibiting an IC ₅₀ of 698.3 nM and a K _d of 2.81 μM.
Targets(IC ₅₀)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 20 mg/mL (66.15 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: 2.5 mg/mL (8.27 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	3.3074 mL	16.5371 mL	33.0743 mL
5 mM	0.6615 mL	3.3074 mL	6.6149 mL
10 mM	0.3307 mL	1.6537 mL	3.3074 mL
50 mM	0.0661 mL	0.3307 mL	0.6615 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

Tian Lu, et al. Discovery of High-Affinity Inhibitors of the BPTF Bromodomain. J Med Chem. 2021 Aug 26;64(16): 12075-12088.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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