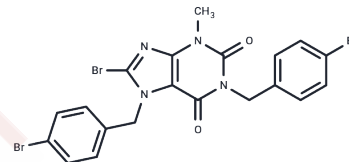


BRD4-BD1-IN-2

Chemical Properties

CAS No. : 2761321-26-8
 Formula: C₂₀H₁₅Br₃N₄O₂
 Molecular Weight: 583.07
 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	BRD4-BD1-IN-2 is a selective and potent BRD4-BD1 inhibitor with an IC ₅₀ value of 2.51 μM, exhibiting 20-fold greater inhibitory activity against BRD4-BD1 compared to BRD4-BD2. [BRD4-BD1-IN-2] is applicable for research in cardiovascular and cancer-related diseases.
Targets(IC ₅₀)	Epigenetic Reader Domain

Solubility Information

Solubility	DMSO: 6.25 mg/mL (10.72 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7151 mL	8.5753 mL	17.1506 mL
5 mM	0.343 mL	1.7151 mL	3.4301 mL
10 mM	0.1715 mL	0.8575 mL	1.7151 mL
50 mM	0.0343 mL	0.1715 mL	0.343 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

Chang Y, et al. Design, synthesis, biological evaluation, and molecular docking of 1, 7-dibenzyl-substituted theophylline derivatives as novel BRD4-BD1-selective inhibitors. *Medicinal Chemistry Research*, 2021, 30(8): 1453-1468.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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