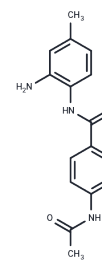


BRD4097

Chemical Properties

CAS No. : 1550053-19-4
 Formula: C₁₆H₁₇N₃O₂
 Molecular Weight: 283.33
 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	BRD4097, a negative control in the HDAC1/2/3/8 assay, is a selective histone deacetylase (HDAC3) inhibitor that can be used to protect b-cells and improve insulin resistance, help promote cognitive function and enhance learning and memory formation.
Targets(IC50)	HDAC

Solubility Information

Solubility	DMSO: 2.84 mg/mL (10.02 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	3.5295 mL	17.6473 mL	35.2945 mL
5 mM	0.7059 mL	3.5295 mL	7.0589 mL
10 mM	0.3529 mL	1.7647 mL	3.5295 mL
50 mM	0.0706 mL	0.3529 mL	0.7059 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

Wagner FF, et al. An Isochemogenic Set of Inhibitors To Define the Therapeutic Potential of Histone Deacetylases in β -Cell Protection. ACS Chem Biol. 2016 ; 11(2):363-374.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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