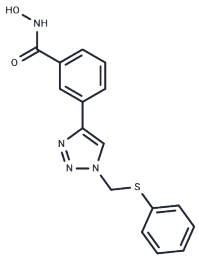
Data Sheet (Cat.No.T21421)

NCC-149

Chemical Properties



CAS No. : 1316652-41-1

Formula: C16H14N4O2S

Molecular Weight: 326.37

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	NCC-149 is a HDAC8 inhibitor.
Targets(IC50)	Others,HDAC

Solubility Information

Solubility	H2O: Insoluble, DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.064 mL	15.320 mL	30.6401 mL
5 mM	0.6128 mL	3.064 mL	6.128 mL
10 mM	0.3064 mL	1.532 mL	3.064 mL
50 mM	0.0613 mL	0.3064 mL	0.6128 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

Identification of a Novel Aminotetralin Class of HDAC6 and HDAC8 Selective Inhibitors. By Tang, Guozhi; Wong, Jason C.; Zhang, Weixing; Wang, Zhanguo; Zhang, Nan; Peng, Zhenghong; Zhang, Zhenshan; Rong, Yiping; Li, Shijie; Zhang, Meifang; et al. From Journal of Medicinal Chemistry (2014), 57(19), 8026-8034.
Design, Synthesis, and Biological Activity of NCC149 Derivatives as Histone Deacetylase 8-Selective Inhibitors. By Suzuki, Takayoshi; Muto, Nobusuke; Bando, Masashige; Itoh, Yukihiro; Masaki, Ayako; Ri, Masaki; Ota, Yosuke; Nakagawa, Hidehiko; Iida, Shinsuke; Shirahige, Katsuhiko; et al. From ChemMedChem (2014), 9(3), 657-664.
Rapid Discovery of Highly Potent and Selective Inhibitors of Histone Deacetylase 8 Using Click Chemistry to Generate Candidate Libraries. Suzuki, Takayoshi; Ota, Yosuke; Ri, Masaki; Bando, Masashige; Gotoh, Aogu; Itoh, Yukihiro; Tsumoto, Hiroki; Tatum, Prima R.; Mizukami, Tamio; Nakagawa, Hidehiko; et al. From Journal of Medicinal Chemistry (2012), 55(22), 9562-9575.
Preparation of hydroxamic acid derivatives as HDAC8 inhibitors. By Miyata, Naoki; Suzuki, Takayoshi; Ota, Yosuke; Ueda, Ryuzo; Iida, Shinsuke; Ri, Masaki. From PCT Int. Appl. (2011), WO 2011089995 A1 20110728.