

HDAC6-IN-43

Chemical Properties

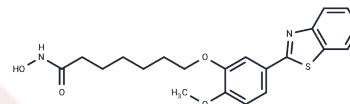
CAS No. : 3037978-19-8

Formula: C₂₁H₂₄N₂O₄S

Molecular Weight: 400.49

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	HDAC6-IN-43 (compound 26) is a potent inhibitor of HDACs. This compound effectively inhibits various HDACs, notably HDAC1, HDAC2, and HDAC6, with an IC ₅₀ of less than 150 nM, and demonstrates particularly high sensitivity to HDAC6 with an IC ₅₀ of 11 nM. HDAC6-IN-43 is utilized in the study of autosomal dominant polycystic kidney disease (ADPKD).
Targets(IC50)	HDAC
In vitro	HDAC6-IN-43 (compound 26) significantly inhibits the growth and proliferation of Madin-Darby Canine Kidney (MDCK) cells by upregulating the acetylation level of α -tubulin.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4969 mL	12.4847 mL	24.9694 mL
5 mM	0.4994 mL	2.4969 mL	4.9939 mL
10 mM	0.2497 mL	1.2485 mL	2.4969 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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