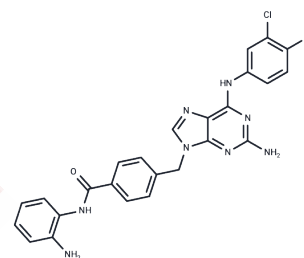


HDAC-IN-45

Chemical Properties

CAS No. : 2421122-61-2
 Formula: C₂₅H₂₀ClFN₈O
 Molecular Weight: 502.93
 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	HDAC-IN -45, a small molecule HDAC inhibitor, was able to form hydrogen bonds with Y303 residues and exhibited anticancer effects. HDAC-IN-45 significantly inhibited HDAC1, HDAC2 and HDAC3 subtypes with their IC ₅₀ values of 0.108, 0.585 and 0.563 μM, respectively.
Targets(IC ₅₀)	Others,HDAC

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9883 mL	9.9417 mL	19.8835 mL
5 mM	0.3977 mL	1.9883 mL	3.9767 mL
10 mM	0.1988 mL	0.9942 mL	1.9883 mL
50 mM	0.0398 mL	0.1988 mL	0.3977 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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