

KAT modulator-1

Chemical Properties

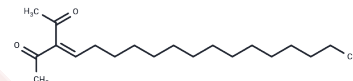
CAS No. : 1314006-43-3

Formula: C₂₀H₃₆O₂

Molecular Weight: 308.5

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	KAT modulator-1 (Compound 3), an epigenetics research tool, selectively interacts with the full-length p300 protein but not its catalytic domain [1].
Targets(IC50)	Histone Acetyltransferase
In vitro	KAT modulator-1 (Compound 3) inhibited recombinant acetyltransferase KAT3A activity by 79-83% at 50 μM and reduced H3 acetylation in histone extracts from U937 leukemia cells at 15 and 30 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2415 mL	16.2075 mL	32.4149 mL
5 mM	0.6483 mL	3.2415 mL	6.483 mL
10 mM	0.3241 mL	1.6207 mL	3.2415 mL
50 mM	0.0648 mL	0.3241 mL	0.6483 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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