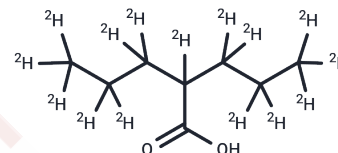


Valproic Acid-D15

Chemical Properties

CAS No. :	362049-65-8
Formula:	C ₈ H ₁ D ₁₅ O ₂
Molecular Weight:	159.3
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	Valproic Acid-D15 is a deuterated compound of Valproic Acid. Valproic Acid (T7064) has a CAS number of 99-66-1. Valproic Acid (T7064) is a branched chain fatty acid which potentially enhances central GABAergic neurotransmission and inhibits Na ⁺ channels. Currently, the various molecular mechanisms of action of Valproic Acid (T7064) have not been completely elucidated. Valproic Acid (T7064) has been reported to be a potent inhibitor of histone deacetylases (HDACs) in vitro. Valproic Acid (T7064) is also noted to relieve HDAC-dependent transcriptional repression and causes the hyperacetylation of histones in cultured cells. Additionally, Valproic Acid (T7064) is reported to activate Wnt-dependent gene expression and to mimic trichostatin A (sc-3511) in the inhibition of histone deacetylase.
Targets(IC50)	Mitophagy,Gamma-secretase,HIV Protease,Endogenous Metabolite,HDAC,Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2775 mL	31.3873 mL	62.7746 mL
5 mM	1.2555 mL	6.2775 mL	12.5549 mL
10 mM	0.6277 mL	3.1387 mL	6.2775 mL
50 mM	0.1255 mL	0.6277 mL	1.2555 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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