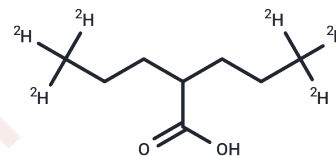


2-(Propyl-3,3,3-D3) pentanoic-5,5,5-D3 Acid

Chemical Properties

CAS No. :	87745-18-4
Formula:	C ₈ H ₁₀ D ₆ O ₂
Molecular Weight:	150.25
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	2-(Propyl-3,3,3-D3) pentanoic-5,5,5-D3 Acid is a deuterated compound of 2-Propylpentanoic acid (TMSM-3352). 2-pentanoic Acid has a CAS number of 99-66-1. Valproic Acid 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 have not been completely elucidated. Valproic Acid has been reported to be a potent inhibitor of histone deacetylases (HDACs) in vitro. Valproic Acid is also noted to relieve HDAC-dependent transcriptional repression and causes the hyperacetylation of histones in cultured cells. Additionally, Valproic Acid 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	6.6556 mL	33.2779 mL	66.5557 mL
5 mM	1.3311 mL	6.6556 mL	13.3111 mL
10 mM	0.6656 mL	3.3278 mL	6.6556 mL
50 mM	0.1331 mL	0.6656 mL	1.3311 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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