

Arachidonic Acid-biotin

Chemical Properties

CAS No. : 1217901-28-4

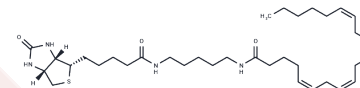
Formula: C35H58N4O3S

Molecular Weight: 614.93

Store at low temperature

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	Arachidonic Acid-biotin (Arachidonic Acid-biotinamide) is a complex formed by linking biotin and arachidonic acid.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 20 mg/mL (32.52 mM),Sonication is recommended. DMF: 20 mg/mL (32.52 mM),Sonication is recommended. PBS (pH 7.2): < 1 mg/mL (insoluble) DMSO: 20 mg/mL (32.52 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6262 mL	8.131 mL	16.262 mL
5 mM	0.3252 mL	1.6262 mL	3.2524 mL
10 mM	0.1626 mL	0.8131 mL	1.6262 mL
50 mM	0.0325 mL	0.1626 mL	0.3252 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.

Reference

Karuppagounder Saravanan S, et al. N-acetylcysteine targets 5 lipoxygenase-derived, toxic lipids and can synergize with prostaglandin E2 to inhibit ferroptosis and improve outcomes following hemorrhagic stroke in mice. *Annals of neurology* 84.6 (2018): 854-872.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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