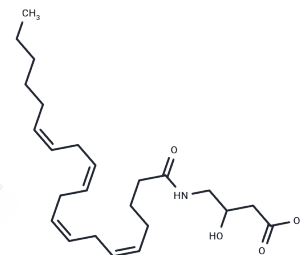


N-Arachidonoyl-3-hydroxy- $\gamma$ -Aminobutyric Acid

## Chemical Properties

CAS No. :	959761-62-7
Formula:	C <sub>24</sub> H <sub>39</sub> NO <sub>4</sub>
Molecular Weight:	405.579
Storage:	Keep away from moisture 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	Several different arachidonoyl amino acids, including N-arachidonoyl-3-hydroxy- $\gamma$ -aminobutyric acid (NAG-3H-ABA), have been isolated and characterized from bovine brain. The glycine congener was further characterized and found to suppress formalin-induced pain in rats. NAG-3H-ABA was also found in rat brain by LC-MS techniques, but has not been fully characterized to date. Most arachidonoyl amino acids are poor ligands for the CB1 receptor.
Targets(IC50)	Amino Acids and Derivatives

## Solubility Information

Solubility	DMF: 20 mg/mL (49.31 mM),Sonication is recommended. DMSO: 15 mg/mL (36.98 mM),Sonication is recommended. Ethanol: 30 mg/mL (73.97 mM),Sonication is recommended. PBS (pH 7.2): 1 mg/mL (2.47 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	2.4656 mL	12.328 mL	24.656 mL
5 mM	0.4931 mL	2.4656 mL	4.9312 mL
10 mM	0.2466 mL	1.2328 mL	2.4656 mL
50 mM	0.0493 mL	0.2466 mL	0.4931 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.

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