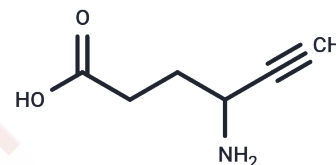


γ -Acetylenic GABA

Chemical Properties

CAS No. :	57659-38-8
Formula:	C ₆ H ₉ NO ₂
Molecular Weight:	127.143
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	γ -Acetylenic GABA (4-Aminohex-5-ynoic acid) is a potent, irreversible inhibitor of GABA-transaminase, effectively raising the concentration of γ -Aminobutyric acid (GABA) in the brain of rats.
Targets(IC50)	Others,GABA Receptor
In vivo	Administered intraperitoneally at a dosage of 100 mg/kg, γ -Acetylenic GABA significantly inhibits GABA-transaminase activity, resulting in a marked increase in the concentration of gamma-aminobutyric acid (GABA) within the rat brain.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.8653 mL	39.3267 mL	78.6535 mL
5 mM	1.5731 mL	7.8653 mL	15.7307 mL
10 mM	0.7865 mL	3.9327 mL	7.8653 mL
50 mM	0.1573 mL	0.7865 mL	1.5731 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

- Casey DE, et, al. gamma-Acetylenic GABA in tardive dyskinesia. Arch Gen Psychiatry. 1980 Dec;37(12):1376-9.
- Palfreyman MG, et, al. The effect of gamma-acetylenic GABA, an enzyme-activated irreversible inhibitor of GABA-transaminase, on dopamine pathways of the extrapyramidal and limbic systems. Eur J Pharmacol. 1978 Aug 15;50(4):325-36.
- Alabed S, et, al. Gamma-aminobutyric acid agonists for neuroleptic-induced tardive dyskinesia. Cochrane Database Syst Rev. 2011 Apr 13;(4):CD000203.

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