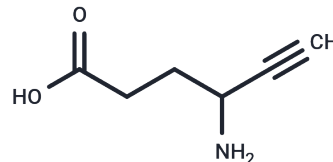


γ-Acetylenic GABA

Chemical Properties

CAS No. : 57659-38-8
 Formula: C₆H₉NO₂
 Molecular Weight: 127.143
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	γ-Acetylenic GABA (4-Aminohex-5-ynoic acid) is a potent, irreversible inhibitor of GABA-transaminase. This compound effectively raises the concentration of γ-Aminobutyric acid (GABA) in the brain of rats.
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.

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-

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