

Homocarnosine TFA

Chemical Properties

CAS No. :

Formula: C12H17F3N4O5

Molecular Weight: 354.28

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	Homocarnosine TFA, a unique dipeptide of γ -aminobutyric acid (GABA) and histidine found in the brain, acts as an inhibitory neuromodulator synthesized from GABA within neurons. It exhibits anticonvulsant effects [1], and possesses antioxidant and anti-inflammatory properties, prevents DNA damage, and inhibits the formation of advanced glycation end-products [2].
Targets(IC50)	Others,GABA Receptor,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8226 mL	14.1131 mL	28.2263 mL
5 mM	0.5645 mL	2.8226 mL	5.6453 mL
10 mM	0.2823 mL	1.4113 mL	2.8226 mL
50 mM	0.0565 mL	0.2823 mL	0.5645 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

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