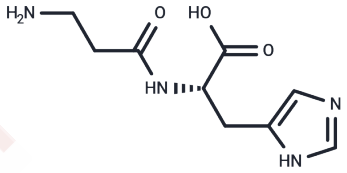
Data Sheet (Cat.No.T4732)

TargetMol

L-Carnosine

Chemical Properties



CAS No. : 305-84-0

Formula: C9H14N4O3

Molecular Weight: 226.23

Storage: Keep away from moisture,Store at low temperature
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	L-Carnosine (Karnozin) is is an antioxidant naturally found in skeletal muscle, brain tissue. It has the potential to suppress many of the biochemical changes that accompany aging.
Targets(IC50)	Antioxidant,Endogenous Metabolite

Solubility Information

Solubility	DMSO: Insoluble, H2O: 250 mg/mL (1105.07 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4203 mL	22.1014 mL	44.2028 mL
5 mM	0.8841 mL	4.4203 mL	8.8406 mL
10 mM	0.442 mL	2.2101 mL	4.4203 mL
50 mM	0.0884 mL	0.442 mL	0.8841 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

Hipkiss AR, et al. Would carnosine or a carnivorous diet help suppress aging and associated pathologies? Ann N Y Acad Sci. 2006 May;1067:369-74.

Guney Y, et al. Carnosine may reduce lung injury caused by radiation therapy. Med Hypotheses. 2006;66(5):957-9.

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