

[Leu15]-Gastrin I, human

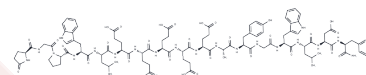
Chemical Properties

CAS No. : 39024-57-2

Formula: C98H126N20O31

Molecular Weight: 2080.16

Storage: Keep away from moisture, Keep away from direct sunlight, 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	[Leu15]-Gastrin I, human is a variant of Gastrin I, where the 15th amino acid residue is substituted with leucine (Leu). [Leu15]-Gastrin I (human) regulates the binding of cholecystokinin to the mucosal membrane.
Targets(IC50)	Others, Cholecystokinin Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (38.46 mM), Sonication is recommended. H2O: 5 mg/mL (2.4 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	0.4807 mL	2.4037 mL	4.8073 mL
5 mM	0.0961 mL	0.4807 mL	0.9615 mL
10 mM	0.0481 mL	0.2404 mL	0.4807 mL
50 mM	0.0096 mL	0.0481 mL	0.0961 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

Wünsch Erich, et al. Synthesis of Pure Polypeptide Hormones with Full Biological Activity. The Chemistry of Polypeptides: Essays in Honor of Dr. Leonidas Zervas. Boston, MA: Springer US, 1973. 279-295.

Morley J. S., et al. Polypeptides. Part IX. Variations of the methionyl position in the C-terminal tetrapeptide amide sequence of the gastrins. Journal of the Chemical Society C: Organic (1968): 726-733.

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