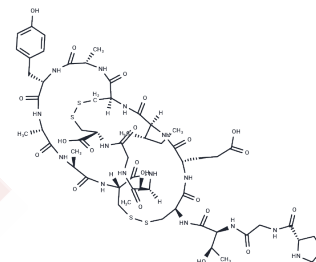


Guanylin(human)

Chemical Properties

CAS No. :	183200-12-6
Formula:	C58H87N15O21S4
Molecular Weight:	1458.65
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Endogenous peptide activator of intestinal guanylyl cyclase; secreted mainly by the gastrointestinal mucosa. Regulates water and electrolyte transport in intestinal and renal epithelia.
Targets(IC50)	Endogenous Metabolite, Guanylate cyclase

Solubility Information

Solubility	H2O: 1 mg/mL (0.69 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6856 mL	3.4278 mL	6.8557 mL
5 mM	0.1371 mL	0.6856 mL	1.3711 mL
10 mM	0.0686 mL	0.3428 mL	0.6856 mL
50 mM	0.0137 mL	0.0686 mL	0.1371 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

Beltowski (2001) Guanylin and related peptides. J.Physiol.Pharmacol. 52 351 PMID:

Currie et al (1992) Guanylin: an endogenous activator of intestinal guanylate cyclase. Proc.Natl.Acad.Sci.U.S.A. 89 947 PMID:

Nokihara et al (1997) Synthesis, solution structure, binding activity, and cGMP activation of human guanylin and its disulfide isomer. Regul.Pept. 70 111 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481