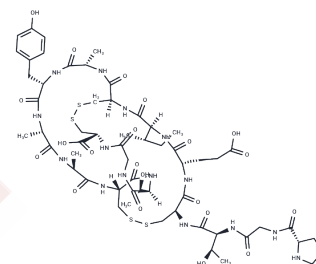


Guanylin(human)

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 183200-12-6 |
| Formula: | C58H87N15O21S4 |
| Molecular Weight: | 1458.65 |
| Appearance: | no data available |
| Storage: | keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year |



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. |
|-------------|---|

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.

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:

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