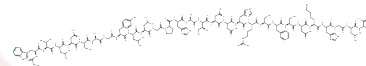


Galanin (1-29)(rat, mouse)

Chemical Properties

CAS No. :	114547-31-8
Formula:	C141H211N43O41
Molecular Weight:	3164.499
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	Non-selective galanin receptor agonist (K _i values are 0.98, 1.48 and 1.47 nM for GAL1, GAL2 and GAL3 respectively). Anticonvulsant; prevents the occurrence of full kindled seizures in rats.
Targets(IC50)	Neuropeptide Y Receptor

Solubility Information

Solubility	H ₂ O: 1 mg/mL (0.32 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	0.316 mL	1.580 mL	3.1601 mL
5 mM	0.0632 mL	0.316 mL	0.632 mL
10 mM	0.0316 mL	0.158 mL	0.316 mL
50 mM	0.0063 mL	0.0316 mL	0.0632 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

- Wang et al (1997) Cloning and expression characterization of a novel galanin receptor. J.Biol.Chem. 272 51 PMID:
Mazarati et al (2006) Regulation of kindling epileptogenesis by hippocampal galanin type 1 and type 2 receptors: the effects of subtype-selective agonists and the role of G-protein-mediated signaling. J.Pharmacol.Exp.Ther. 318 700 PMID:

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