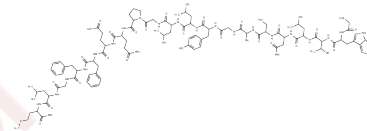


Galantide

Chemical Properties

CAS No. :	138579-66-5
Formula:	C104H151N25O26S
Molecular Weight:	2199.53
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	Galantide is a reversible and non-specific antagonist of galanin receptor.
Targets(IC50)	Others, Neuropeptide Y Receptor
In vitro	Galantide is also found to displace 125I-monoiodo-[TyrZ6]galanin from membranes of the insulin-producing Rin m 5F cells (IC50: <0.1 nM). Galantide dose-dependently (IC50: 1.0 nM) antagonizes the galanin-mediated inhibition of the glucose-induced insulin secretion from mouse pancreatic islets [1].
In vivo	Galantide ameliorates mild acute pancreatitis (AP). Galantide has been found to improve social memory in 'social recognition' test when i.c.v. administered at doses varying from 6-6000 nM[4]. Galantide significantly reduces AP-induced hyperenzymemia by 41-49% [3]. Galanin (5 µg/rat; intracerebroventricular injection) inhibited sexual behavior in experienced male rats--without producing any other locomotor or behavioral deficit-, injection of the galanin antagonist, galantide, by the same route (1 or 2 µg/rat) stimulated sexual behavior (improving arousal, motivation and performance indexes) and antagonized the effect of galanin [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4546 mL	2.2732 mL	4.5464 mL
5 mM	0.0909 mL	0.4546 mL	0.9093 mL
10 mM	0.0455 mL	0.2273 mL	0.4546 mL
50 mM	0.0091 mL	0.0455 mL	0.0909 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

- Lindskog S, et al. The novel high-affinity antagonist, galantide, blocks the galanin-mediated inhibition of glucose-induced insulin secretion. *Eur J Pharmacol.* 1992 Jan 14;210(2):183-8.
- Benelli A, et al. Galantide stimulates sexual behaviour in male rats. *Eur J Pharmacol.* 1994 Aug 1;260(2-3):279-82.
- Barreto SG, et al. The efficacy of combining feG and galantide in mild caerulein-induced acute pancreatitis in mice. *Peptides.* 2010 Jun;31(6):1076-82.
- Arletti R, et al. Galantide improves social memory in rats. *Pharmacol Res.* 1997 Apr;35(4):317-9.

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