

Galanin Receptor Ligand M35 TFA

Chemical Properties

CAS No. :

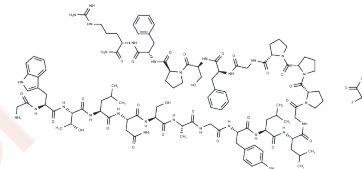
Formula: C109H154N27F3O28

Molecular Weight: 2347.62

Keep away from moisture

Storage: 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	Galanin Receptor Ligand M35 TFA is a high-affinity ligand and antagonist of the galanin receptor (Kd = 0.1 nM).
Targets(IC50)	Neuropeptide Y Receptor
In vitro	Galanin Receptor Ligand M35 TFA exhibits dual effects on galanin-mediated inhibition of Forskolin-stimulated cyclic AMP production in Rin m 5F cells. At low concentrations (1 nM), co-applied with galanin (10 nM), it reverses galanin's inhibitory effect, while at higher concentrations (15 and 30 nM), it functions as a galanin receptor agonist, inhibiting cAMP production. These effects are not additive, reflecting its mixed agonist/antagonist properties due to its chimeric nature acting solely at galanin receptors[1].
In vivo	Galanin Receptor Ligand M35 TFA (6 nM/10 µL; i.c.v.) enhances the performance of male Sprague-Dawley rats in the swim maze task by shortening escape latency, reducing failure rates in reaching the platform, and decreasing path length to the hidden platform[3].

Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.426 mL	2.1298 mL	4.2596 mL
5 mM	0.0852 mL	0.426 mL	0.8519 mL
10 mM	0.0426 mL	0.213 mL	0.426 mL
50 mM	0.0085 mL	0.0426 mL	0.0852 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

Kask K, et al. Binding and agonist/antagonist actions of M35, galanin(1-13)-bradykinin(2-9)amide chimeric peptide, in Rin m 5F insulinoma cells. Regul Pept. 1995 Nov 10;59(3):341-8.

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