

DATASHEET

Version: 2016-08-18

Galanin Receptor Ligand M35**Cat. No.:** RP10808-0.5**Size:** 0.5 mg**Description:**

The chimeric peptide M35 [galanin (1-13)-bradykinin(2-9) amide] is a high-affinity galanin receptor ligand acting as a galanin receptor antagonist in the rat spinal cord, rat hippocampus and isolated mouse pancreatic islets. The radiolabelled M35 and performed equilibrium binding studies with [¹²⁵I] M35 on the rat pancreatic beta-cell line Rin m 5F. Galanin displaces [¹²⁵I] M35 with the same affinity (K_D = nM) as it displaces [¹²⁵I] galanin. Displacement of [¹²⁵I] galanin by M35 from Rin m 5F cell membranes shows the presence of two binding sites for M35 with K_D -values of 0.3 +/- 0.1 nM and 0.52 +/- 0.03 μ M, respectively.

C-Terminal: NH₂**Sequence (one-letter code):**GWTLNSAGYLLGPPPGFSPFR-NH₂**Sequence (three-letter code):**{GLY}{TRP}{THR}{LEU}{ASN}{SER}{ALA}{GLY}{TYR}{LEU}{LEU}{GLY}{PRO}{PRO}{PRO}{GLY}{PHE}{SER}{PRO}{PHE}{ARG}-NH₂

Solubility: Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weight out a smaller portion of the contents.

Formula: C₁₀₇H₁₅₃N₂₇O₂₆**Molecular Weight:** 2,233.6**Purity:** > 95%**Storage:**

Store at -20°C

Note:

*For Non-Clinical Research Use Only *

