

Rev03
Update: Feb,10,2022

DATASHEET

Galanin, human

Cat. No.: RP10801

Overview

Description	Galanin is a neuropeptide that has not been established as a member of any known family of neuropeptides despite repeated efforts to discover related peptides. Its actions are mediated via Gi-protein-coupled receptors and ion channels, usually producing inhibition of secretion of a transmitter or hormone in the nervous and endocrine system. In many respects, these inhibitory actions of galanin remind us of those of gamma-aminobutyric acid (GABA) and of neuropeptide Y (NPY). Galanin coexists with GABA, noradrenaline, 5-hydroxytryptamine (5-HT), and NPY in several regions of the brain.
Cas No	119418-04-1
Sequence	{GLY}{TRP}{THR}{LEU}{ASN}{SER}{ALA}{GLY}{TYR}{LEU}{LEU}{GLY}{PRO}{HIS}{ALA}{VAL}{GLY}{ASN}{HIS}{ARG}{SER}{PHE}{SER}{ASP}{LYS}{ASN}{GLY}{LEU}{THR}{SER}
Sequence Shortening	GWTLNSAGYLLGPHAVGNHRSFSDKNGLTS
Molecular Formula	C ₁₃₉ H ₂₁₀ N ₄₂ O ₄₃
Molecular Weight	3157.41

Properties

Purity	> 95%
Solubility	The peptide is 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 weigh out a smaller portion of the contents.
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed.

Examples

