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Galanins

Galanins

Galanin (GAL) is a neuropeptide found in both the central and peripheral nervous systems. It is involved in normal growth and development of the nervous system and is critically important for the recovery of nerve function after nerve injury. In peripheral neurons, this peptide appears to be involved in influencing pain sensation after nerve injury (neuropathic pain). Following axonal injury, there is a dramatic rise in the levels of Galanin mRNA and immunoreactivity in the neuronal cell bodies of sensory and autonomic ganglia. Lack of expression of Galanin or its inappropriate expression may lead to developmental problems or contribute to the devastating effects of dementia. Galanin also regulates appetite and controls hormone secretion from the brain. Receptor molecules mediate the effects of Galanin and researchers have identified and isolated at least three members of the Galanin receptor signaling family. In Alzheimer's disease, GAL and GAL receptors are over-expressed in the limbic brain regions associated with cognition. Human Galanin consists of 30 amino acids, with a free carboxylic acid on the C-terminus, whereas all other known types of Galanin are composed of 29 amino acids with a C-terminus amide.

Product	MW	Size	Catalog#	US\$
Galanin, human GWTLSAGYLLGPHAVGNHRFSFKNGLTS H-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-OH	3157.5	0.5 mg 1 mg	22430 22431	\$115 \$195
Biotin-Galanin, human Biotin-GWTLSAGYLLGPHAVGNHRFSFKNGLTS Biotin-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-OH	3383.8	0.5 mg 1 mg	23582 23583	\$150 \$250
Galanin, human, FAM-labeled FAM-GWTLSAGYLLGPHAVGNHRFSFKNGLTS FAM-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-OH	3515.8	0.5 mg 1 mg	23602 23603	\$210 \$350
Galanin-Lys(Biotin), human, FAM-labeled FAM-GWTLSAGYLLGPHAVGNHRFSFKNGLTSK(Biotin) FAM-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-Lys(Biotin)-OH	3870.2	0.5 mg 1 mg	23620 23621	\$210 \$350
Galanin-Lys(Biotin), human GWTLSAGYLLGPHAVGNHRFSFKNGLTSK(Biotin) H-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-Lys(Biotin)-OH	3511.9	0.5 mg 1 mg	23638 23639	\$210 \$350
Galanin, porcine GWTLSAGYLLGPHAIDNHRFSFKYGLA-NH ₂ H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Ile-Asp-Asn-His-Arg-Ser-Phe-His-Asp-Lys-Tyr-Gly-Leu-Ala-NH ₂ Porcine Galanin, present in high concentrations in adrenals, is potent in inhibiting insulin responses to glucose administration in rat.	3210.6	0.5 mg 1 mg	22432 22433	\$135 \$225
Galanin, rat GWTLSAGYLLGPHAIDNHRFSFKHGLT-NH ₂ H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Ile-Asp-Asn-His-Arg-Ser-Phe-Ser-Asp-Lys-His-Gly-Leu-Thr-NH ₂	3164.5	0.5 mg 1 mg	22434 22435	\$125 \$225
Galanin (1-13)-Bradykinin (2-9), amide, M35 GWTLSAGYLLGPPPGFSPFR-NH ₂ H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Pro-Gly-Phe-Ser-Pro-Phe-Arg-NH ₂	2233.6	0.5 mg 1 mg	22438 22439	\$75 \$135

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Galanin (1-13)-Neuropeptide Y (25-36), amide, M32 GWTLNSAGYLLGPRHYINLITRQRY-NH ₂ H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Arg-His-Tyr-Ile-Asn-Leu-Ile-Thr-Arg-Gln-Arg-Tyr-NH ₂	2962.4	0.5 mg 1 mg	22984 22918	\$110 \$200
Galanin (1-13)-Pro-Pro-(Ala-Leu)₂-Ala, amide GWTLNSAGYLLGPPPALALA-NH ₂ H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Pro-Pro-Ala-Leu-Ala-Leu-Ala-NH ₂	1981.3	0.5 mg 1 mg	22440 22441	\$100 \$175
Galanin (1-13)-Spantide I, C7 GWTLNSAGYLLGPrPKPQQwFwLL-NH ₂ H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-D-Arg-Pro-Lys-Pro-Gln-Gln-D-Trp-Phe-D-Trp-Leu-Leu-NH ₂	2828.3	0.5 mg 1 mg	22442 22443	\$125 \$225
Galanin (1-13)-Substance P (5-11), amide, Galantide GWTLNSAGYLLGPQQFFGLM-NH ₂ H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Gln-Gln-Phe-Phe-Gly-Leu-Met-NH ₂	2199.6	0.5 mg 1 mg	22444 22445	\$75 \$135
Galanin (1-16), porcine, rat GWTLNSAGYLLGPHAI H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Ile-OH	1669.9	0.5 mg 1 mg	22436 22437	\$60 \$100
Galanin Message Associated Peptide, GMAP (1-41), amide ELEPEDEARPGGFDRLOQSEDKAIRTIMEFLAFLHLKEAGAL-NH ₂ H-Glu-Leu-Glu-Pro-Glu-Asp-Glu-Ala-Arg-Pro-Gly-Gly-Phe-Asp-Arg-Leu-Gln-Ser-Glu-Asp-Lys-Ala-Ile-Arg-Thr-Ile-Met-Glu-Phe-Leu-Ala-Phe-Leu-His-Leu-Lys-Glu-Ala-Gly-Ala-Leu-NH ₂	4643.3	0.5 mg 1 mg	22446 22447	\$175 \$325
Galanin Message Associated Peptide, GMAP (16-41), amide LQSEDKAIRTIMEFLAFLHLKEAGAL-NH ₂ H-Leu-Gln-Ser-Glu-Asp-Lys-Ala-Ile-Arg-Thr-Ile-Met-Glu-Phe-Leu-Ala-Phe-Leu-His-Leu-Lys-Glu-Ala-Gly-Ala-Leu-NH ₂	2944.5	1 mg 5 mg	22448 22449	\$125 \$500
Galanin Message Associated Peptide, GMAP (25-41), amide TIMEFLAFLHLKEAGAL-NH ₂ H-Thr-Ile-Met-Glu-Phe-Leu-Ala-Phe-Leu-His-Leu-Lys-Glu-Ala-Gly-Ala-Leu-NH ₂	1903.3	1 mg 5 mg	22450 22451	\$75 \$300
Galanin Message Associated Peptide, GMAP (44-59), amide LPGLPSAASSEDAGQS-NH ₂ H-Leu-Pro-Gly-Leu-Pro-Ser-Ala-Ala-Ser-Ser-Glu-Asp-Ala-Gly-Gln-Ser-NH ₂	1485.6	1 mg 5 mg	22452 22453	\$75 \$300
[D-Trp^{6,8,9}]-Galanin (1-15)-ol GWTLNwAwwLLGPHA-ol H-Gly-Trp-Thr-Leu-Asn-D-Trp-Ala-D-Trp-D-Trp-Leu-Leu-Gly-Pro-His-Ala-ol	1794.1	0.5 mg	61149	\$150
[Ala⁶,D-Trp⁸]-Galanin (1-15)-ol GWTLNAAwYLLGPHA-ol H-Gly-Trp-Thr-Leu-Asn-Ala-Ala-D-Trp-Tyr-Leu-Leu-Gly-Pro-His-Ala-ol	1655.9	0.5 mg	61148	\$150