



LKT Laboratories, Inc.

M35

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Product Information

Product ID M0035

CAS No. 142846-71-7

Chemical Name

Synonym Galanin-(1-13)-bradykinin-(2-9)-amide

Formula $C_{107}H_{153}N_{27}O_{26}$

Formula Wt. 2233.58

Melting Point

Purity $\geq 95\%$

Solubility Insoluble in water. Soluble in 60% acetonitrile with 0.1% TFA. Soluble in DMSO.

Store Temp -20°C

Ship Temp Ambient

Description M35 is a peptide antagonist at galanin receptors that exhibits antidepressant and insulin-modulating activities. In the forced swim test, M35 decreases immobility time. M35 displays neuroprotective and cognition enhancing activities as well, improving acquisition time, decreasing the number of failed trials, and shortening escape latency in rodents undergoing the forced swim test, an animal model of spatial learning. M35 also suppresses pancreatitis-induced plasma hyperenzymemia and decreases myeloperoxidase activity, decreasing necrosis. Additionally, M35 decreases glucose uptake, PPAR α expression, and membrane GLUT4 levels, attenuating insulin sensitivity in other animal models.

H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Pro-Pro-Gly-Phe-Ser-Pro-Phe-Arg-NH₂

Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M0035	0.5 mg	\$110.30
M0035	1 mg	\$194.30
M0035	2.5 mg	\$393.80

References Bu L, Liu Z, Zou J, et al. Blocking central galanin receptors attenuates insulin sensitivity in myocytes of diabetic trained rats. *J Neurosci Res.* 2013 Jul;91(7):971-7. PMID: 23653288.

Bhandari M, Kawamoto M, Thomas AC, et al. Galanin receptor antagonist m35 but not m40 or c7 ameliorates cerulein-induced acute pancreatitis in mice. *Pancreatol.* 2010;10(6):682-8. PMID: 21242707.

Jiang L, Shi M, Guo L, et al. Effect of M35, a neuropeptide galanin antagonist on glucose uptake translated by glucose transporter 4 in trained rat skeletal muscle. *Neurosci Lett.* 2009 Dec 25;467(2):178-81. PMID: 19835935.

Kuteeva E, Wardi T, Hökfelt T, et al. Galanin enhances and a galanin antagonist attenuates depression-like behaviour in the rat. *Eur Neuropsychopharmacol.* 2007 Jan;17(1):64-9. PMID: 16624535.

Ogren SO, Hökfelt T, Kask K, et al. Evidence for a role of the neuropeptide galanin in spatial learning. *Neuroscience.* 1992 Nov;51(1):1-5. PMID: 1281521.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.