



Product Information

Product ID M0040  
CAS No. 143896-17-7

Chemical Name

Synonym 64: PN:US20050009742 PAGE: 20 claimed sequence; Galanin-like peptide; GALP.

Formula  $C_{94}H_{145}N_{23}O_{24}$

Formula Wt. 1981.34

Melting Point

Purity  $\geq 95\%$

Solubility Soluble in water (1 mg/mL).

Store Temp  $-20^{\circ}C$

Ship Temp Ambient

Description M40 is a peptide antagonist at galanin receptors that exhibits anorexigenic and anxiolytic activities. In vivo, M40 decreases food intake, ethanol consumption, and reproductive behavior. M40 also decreases stress-induced anxiety responses in the elevated plus maze and social interaction tasks and suppresses defensive burying behavior in animal models of anxiety.

H-Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Pro-Pro-Ala-Leu-Ala-Leu-Ala-NH<sub>2</sub>

**Bulk quantities available upon request**

Product ID	Size
M0040	0.5 mg
M0040	1 mg
M0040	2.5 mg

References Silote GP, Rosal AB, de Souza MM, et al. Infusion of galanin into the mid-caudal portion of the dorsal raphe nucleus has an anxiolytic effect on rats in the elevated T-maze. Behav Brain Res. 2013 Sep 1;252:312-7. PMID: 23791934.

Echevarria DJ, Hernandez A, Diogenes A, et al. Administration of the galanin antagonist M40 into lateral septum attenuates shock probe defensive burying behavior in rats. Neuropeptides. 2005 Oct;39(5):445-51. PMID: 16084587.

Rada P, Avena NM, Leibowitz SF, et al. Ethanol intake is increased by injection of galanin in the paraventricular nucleus and reduced by a galanin antagonist. Alcohol. 2004 Jun;33(2):91-7. PMID: 15528006.

Koegler FH, York DA, Bray GA. The effects on feeding of galanin and M40 when injected into the nucleus of the solitary tract, the lateral parabrachial nucleus, and the third ventricle. Physiol Behav. 1999 Aug;67(2):259-67. PMID: 10477058.

Park JJ, Baum MJ. Intracerebroventricular infusion of the galanin antagonist M40 attenuates heterosexual partner preference in ferrets. Behav Neurosci. 1999 Apr;113(2):391-400. PMID: 10357463.

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