



LKT Laboratories, Inc.

**Galantide**

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## Product Information

**Product ID** G0044

**CAS No.** 138579-66-5

**Chemical Name**

**Synonym** M15

**Formula** C<sub>104</sub>H<sub>151</sub>N<sub>25</sub>O<sub>26</sub>S

**Formula Wt.** 2199.58

**Melting Point**

**Purity** ≥95%

**Solubility**

**Store Temp** -20° C

**Ship Temp** Ambient

**Description** Galantide is a nonselective peptide antagonist at the galanin receptor. Galantide inhibits opioid-induced antinociception in vivo. Galantide exhibits neuromodulatory, cognition enhancing, and gastrointestinal motility modulating activities. In animal models, galantide improves memory function in social recognition tasks. Additionally, this compound induces contractions in gastric smooth muscle.

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

**Bulk quantities available upon request**

<b>Product ID</b>	<b>Size</b>
G0044	0.5 mg
G0044	1 mg
G0044	2.5 mg

**References** Sun YG, Yu LC. Interactions of galanin and opioids in nociceptive modulation in the arcuate nucleus of hypothalamus in rats. *Regul Pept.* 2005 Jan 15;124(1-3):37-43. PMID: 15544839.

Korolkiewicz RP, Konstanski Z, Rekowski P, et al. Mechanism of the contractile effects of galantide and Galanin(1-14) [alpha-aminobutyric acid]scyliorhinin-I in rat isolated fundus strips. *Med Sci Monit.* 2002 Jan;8(1):BR19-23. PMID: 11782668.

Arletti R, Benelli A, Cavazzuti E, et al. Galantide improves social memory in rats. *Pharmacol Res.* 1997 Apr;35(4):317-9. PMID: 9264048.

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