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Zuschläge

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Galanin (1-13)-spantide I

Cat. No.:	HY-P5765
CAS No.:	143868-20-6
Molecular Formula:	C ₁₃₈ H ₁₉₉ N ₃₅ O ₃₀
Molecular Weight:	2828.27
Sequence:	Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-Arg-Pro-Lys-Pro-Gln-Gln-Trp-Phe-Trp-Leu-Leu-NH ₂
Sequence Shortening:	GWTLNSAGYLLGPRPKPQQWFLL-NH ₂
Target:	Neuropeptide Y Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Galanin (1-13)-spantide I is a chimeric peptide composed of the N-terminal fragment of galanin (amino acids 1-13) and spantide, a known substance P receptor antagonist. Galanin (1-13)-spantide I has a high affinity for spinal galanin receptor ($K_d=1.16$ nM). Galanin (1-13)-spantide I can be used to study the effects of galanin on feeding behavior^{[1][2]}.

REFERENCES

- [1]. Crawley J N, et al. Galanin receptor antagonists M40 and C7 block galanin-induced feeding[J]. Brain research, 1993, 600(2): 268-272.
- [2]. Xu X J, et al. New high affinity peptide antagonists to the spinal galanin receptor[J]. British journal of pharmacology, 1995, 116(3): 2076-2080.

Caution: Product has not been fully validated for medical applications. For research use only.

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