

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

Galanin (1-30) (human)

Product overview

Name	Galanin (1-30) (human)
Cat No	HB3238
Biological description	Endogenous galanin receptor agonist peptide with high affinity for galanin receptors. Shows various endocrine, metabolic and behavioural effects and has been shown to show effect various processes such as appetite, nociception, sleep regulation, cognition, synaptic transmission and insulin and somatostatin release.
Biological action	Agonist
Purity	>95%
Description	Endogenous galanin receptor agonist

Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in water (1 mg/ml)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	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
Molecular Weight	3157.41
Molecular Formula	C ₁₃₉ H ₂₁₀ N ₄₂ O ₄₃
Sequence (one letter)	GWTLNSAGYLLGPHAVGNHRSFSDKNGLTS
CAS Number	119418-04-1
PubChem identifier	16133823
InChiKey	CBSXZYWGVQAQSHI-RUKUCZSXA-N
Appearance	White solid

References

Cloning and expression of the human galanin receptor GalR2.

Bloomquist BT et al (1998) Biochemical and biophysical research communications 243

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Molecular characterization of the ligand binding site of the human galanin receptor type 2, identifying subtype selective interactions.

Lundström L et al (2007) Journal of neurochemistry 103

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Physiology, signaling, and pharmacology of galanin peptides and receptors: three decades of emerging diversity.

Lang R et al (2015) Pharmacological reviews 67

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[25428932](#)
