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## DATASHEET

Galanin (1-30) (human)

### Product overview

<b>Name</b>	Galanin (1-30) (human)
<b>Cat No</b>	HB3238
<b>Biological description</b>	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.
<b>Biological action</b>	Agonist
<b>Purity</b>	>95%
<b>Description</b>	Endogenous galanin receptor agonist

### Solubility & Handling

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

### Chemical Data

<b>Chemical name</b>	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
<b>Molecular Weight</b>	3157.41
<b>Molecular Formula</b>	C <sub>139</sub> H <sub>210</sub> N <sub>42</sub> O <sub>43</sub>
<b>Sequence (one letter)</b>	GWTLNSAGYLLGPHAVGNHRFSFKNGLTG
<b>CAS Number</b>	119418-04-1
<b>PubChem identifier</b>	16133823
<b>InChiKey</b>	CBSXZYWGVAQSHI-RUKUCZXSXA-N
<b>Appearance</b>	White solid

### References

#### Cloning and expression of the human galanin receptor GalR2.

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

**PubMedID** [9480833](#)

#### 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

**PubMedID** [17953676](#)

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

Lang R et al (2015) Pharmacological reviews 67

**PubMedID** [25428932](#)

