

Galanin (1-29)(rat, mouse)

Cat. No.:	HY-P1132	
CAS No.:	114547-31-8	
Molecular Formula:	C ₁₄₁ H ₂₁₁ N ₄₃ O ₄₁	
Molecular Weight:	3164.45	GWTLNSAGYLLGPHAIDNHRFSFDKHGLT-NH ₂
Sequence:	Gly-Trp-Thr-Leu-Asn-Ser-Ala-Gly-Tyr-Leu-Leu-Gly-Pro-His-Ala-Ile-Asp-Asn-His-Arg-Ser-Phe-Ser-Asp-Lys-His-Gly-Leu-Thr-NH ₂	
Sequence Shortening:	GWTLNSAGYLLGPHAIDNHRFSFDKHGLT-NH ₂	
Target:	Neuropeptide Y Receptor	
Pathway:	GPCR/G Protein; Neuronal Signaling	
Storage:	Please store the product under the recommended conditions in the COA.	

BIOLOGICAL ACTIVITY

Description

Galanin (1-29)(rat, mouse) is a non-selective **galanin receptor** agonist, with K_s of 0.98, 1.48 and 1.47 nM for GAL1, GAL2 and GAL3 respectively. Anticonvulsant effect^{[1][2]}.

REFERENCES

- [1]. Wang S, et al. Cloning and expressional characterization of a novel galanin receptor. Identification of different pharmacophores within galanin for the three galanin receptor subtypes. *J Biol Chem.* 1997;272(51):31949-31952.
- [2]. Mazarati A, et al. Regulation of kindling epileptogenesis by hippocampal galanin type 1 and type 2 receptors: The effects of subtype-selective agonists and the role of G-protein-mediated signaling. *J Pharmacol Exp Ther.* 2006;318(2):700-708.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA