γ-Neuropeptide (rabbit)

Cat. No.:	HY-P3069
CAS No.:	114882-65-4
Molecular Formula:	$C_{99}H_{158}N_{34}O_{29}S$
Molecular Weight:	2320.59
Sequence Shortening:	DAGHGQISHKRHKTDSFVGLM-NH2
Target:	Neurokinin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	γ-Neuropeptide (rabbit) can be isolated from rabbit intestine. γ-Neuropeptide is an endogenous neurokinin peptide that acts as a neurokinin 2 (NK2) receptor agonist. γ-Neuropeptide mediates hypothalamic-pituitary-adrenal (HPA) axis, as well as reproductive hormone release[1][2][3].
IC_{50} & Target	NK2
In Vitro	γ-Neuropeptide induces stimulation of LH release by hemipituitaries from intact male rats into the medium[3]. γ-Neuropeptide (1 nM-100 nM) has no effect on GH release from male rats anterior pituitaries[4]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	γ-Neuropeptide □□□□□□□□□□□□□□□ LH □□□□□□[3]□ γ-Neuropeptide (1 nM-100 nM) □□□□□□□□□□□ GH □□□□□□□[4]□ MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kage R, et al. Neuropeptide-gamma: a peptide isolated from rabbit intestine that is derived from gamma-preprotachykinin. J Neurochem. 1988 May;50(5):1412-7.

[2]. Yuan L, et al. Characterization of tachykinin receptors mediating bronchomotor and vasodepressor responses to neuropeptide gamma and substance P in the anaesthetized rabbit. Pulm Pharmacol Ther. 1998 Feb;11(1):31-9.

[3]. Debeljuk L, et al. Modulation of the hypothalamo-pituitary-gonadal axis and the pineal gland by neurokinin A, neuropeptide K and neuropeptide gamma. Peptides. 1999;20(2):285-99.

[4]. Kalra PS, et al. Diverse effects of tachykinins on luteinizing hormone release in male rats: mechanism of action. Endocrinology. 1992 Sep;131(3):1195-201.

[5]. Debeljuk L, et al. In vivo and in vitro effects of neuropeptide K and neuropeptide gamma on the release of growth hormone. Neuroreport. 1995 Dec 15;6(18):2457-60.

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