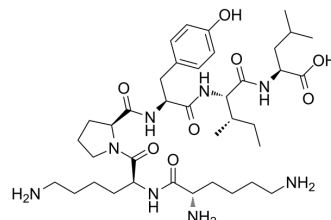


[Lys8, Lys9]-Neurotensin (8-13)

Cat. No.:	HY-P2544
CAS No.:	139026-64-5
Molecular Formula:	C ₃₈ H ₆₄ N ₈ O ₈
Molecular Weight:	761
Sequence Shortening:	KKPYIL
Target:	Neurotensin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro

H₂O : 100 mg/mL (131.41 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.3141 mL	6.5703 mL	13.1406 mL
	5 mM	0.2628 mL	1.3141 mL	2.6281 mL
	10 mM	0.1314 mL	0.6570 mL	1.3141 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

[Lys8, Lys9]-Neurotensin (8-13) (JMV438), a Neurotensin analog, exerts its analgesic effects through activation of the G protein-coupled receptors NTS1 and NTS2, with K_i values of 0.33 nM and 0.95 nM for hNTS1 and hNTS2 receptors, respectively^[1].

REFERENCES

[1]. Emilie Eiselt, et al. Neurotensin Analogues Containing Cyclic Surrogates of Tyrosine at Position 11 Improve NTS2 Selectivity Leading to Analgesia without Hypotension and Hypothermia. ACS Chem Neurosci. 2019 Nov 20;10(11):4535-4544.

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