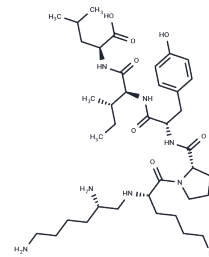


JMV 449

Chemical Properties

CAS No. :	139026-66-7
Formula:	C ₃₈ H ₆₆ N ₈ O ₇
Molecular Weight:	746.96
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Potent, metabolically stable neurotensin receptor agonist peptide (IC ₅₀ = 0.15 nM for inhibition of [¹²⁵ I]-NT binding to neonatal mouse brain; EC ₅₀ = 1.9 nM for contraction of guinea pig ileum). Produces long-lasting hypothermic, neuroprotective and analgesic effects in mice following central administration in vivo.
Targets(IC ₅₀)	Neurotensin Receptor

Solubility Information

Solubility	H ₂ O: 0.8 mg/mL (1.07 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3388 mL	6.6938 mL	13.3876 mL
5 mM	0.2678 mL	1.3388 mL	2.6775 mL
10 mM	0.1339 mL	0.6694 mL	1.3388 mL
50 mM	0.0268 mL	0.1339 mL	0.2678 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Lugrin et al (1991) Reduced peptide bond pseudopeptide analogues of neurotensin: binding and biological activities, and in vitro metabolic stability. Eur.J.Pharmacol. 205 191 PMID:

Dubuc et al (1992) JMV 449: a pseudopeptide analogue of neurotensin-(8-13) with highly potent and long-lasting hypothermic and analgesic effects in the mouse. Eur.J.Pharmacol. 219 327 PMID:

Torup et al (2003) Neuroprotective effect of the neurotensin analogue JMV-449 in a mouse model of permanent middle cerebral ischaemia. Neurosci.Lett. 351 173 PMID:

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481