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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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JMV 449 acetate

Cat. No.: HY-P1256C

CAS No.: 141863-45-8

Molecular Formula: $C_{40}H_{70}N_8O_9$

Molecular Weight: 807.03

Target: Neurotensin Receptor

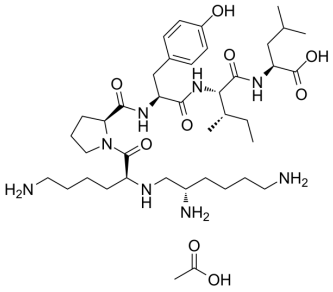
Pathway: GPCR/G Protein; Neuronal Signaling

Storage: Sealed storage, away from moisture

Powder -80°C 2 years

-20°C 1 year

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



SOLVENT & SOLUBILITY

In Vitro

H_2O : 100 mg/mL (123.91 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.2391 mL	6.1956 mL	12.3911 mL
	5 mM	0.2478 mL	1.2391 mL	2.4782 mL
	10 mM	0.1239 mL	0.6196 mL	1.2391 mL

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

BIOLOGICAL ACTIVITY

Description

JMV 449 acetate is a potent neurotensin receptor agonist. JMV 449 acetate shows an IC_{50} of 0.15 nM for inhibition of ^{125}I-neurotensin binding to neonatal mouse brain and an EC_{50} of 1.9 nM in contracting the guinea-pig ileum. JMV 449 acetate has highly potent and long-lasting hypothermic and analgesic effects in the mouse[1][2].

In Vivo

JMV 449 (120 pmol/mouse; i.c.v) shows analgesic effect[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

Animal Model:	Male Swiss albino mice[1]
Dosage:	120 pmol/mouse
Administration:	I.c.v.
Result:	Showed dose-response relation-ships for the analgesic effect.

REFERENCES

[1]. Lugrin D, et al. Reduced peptide bond pseudopeptide analogues of neurotensin: binding and biological activities, and in vitro metabolic stability. Eur J Pharmacol. 1991;205(2):191-198.

[2]. Dubuc I, et al. 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. 1992;219(2):327-329.

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