

Product Data Sheet

Product Name: JMV 449 acetate

Cat. No.: GC61800

Chemical Properties

Cas. No. 141863-45-8

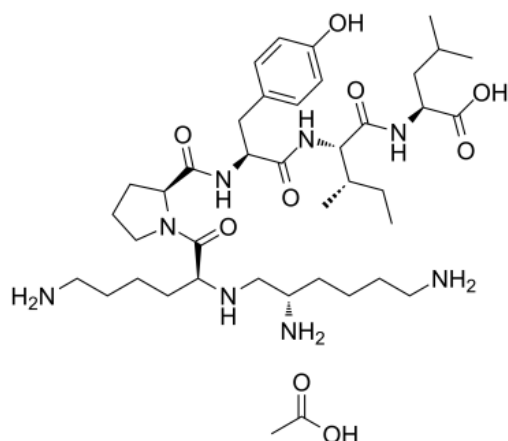
Formula $C_{40}H_{70}N_8O_9$ M.Wt 807.03

Solubility Water: 100 mg/mL (123.91 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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].

JMV 449 (120 pmol/mouse; i.c.v) shows analgesic effect[2]. Animal Model: Male Swiss albino mice[1]

[1]. Lugin D, et al. Reduced peptide bond pseudopeptide analogues of neurotensin: binding and

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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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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