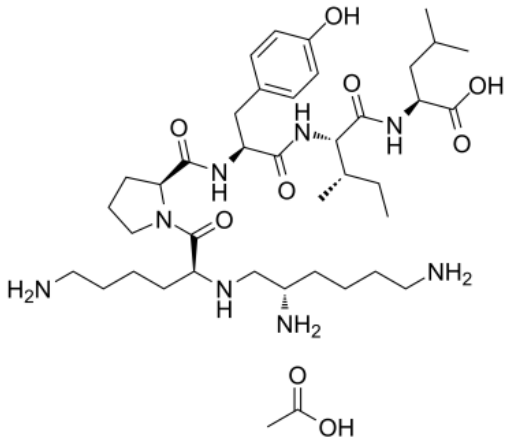
Product Data Sheet

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 IC50 of 0.15 nM for inhibition of 125I-neurotensin binding to neonatal mouse brain and an EC50 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]. 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.