
Product Data Sheet

Product Name: [Lys8, Lys9]-Neurotensin (8-13)

Cat. No.: GC69419

Chemical Properties

Cas. No. 139026-64-5

Formula $C_{38}H_{64}N_8O_8$ M.Wt 761Solubility H₂O : 100 mg/mL (131.41 mM; Need ultrasonic) 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**

[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].

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

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

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