

Product Data Sheet

Product Name: Acetyl tetrapeptide-15

Cat. No.: GC64147

Chemical Properties

Cas. No. 928007-64-1

Formula C₃₄H₃₉N₅O₆

M.Wt 613.7

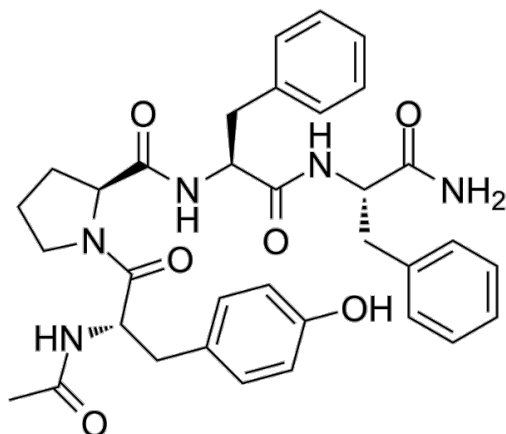
Solubility DMSO : 100 mg/mL (162.95 mM; Need ultrasonic)

Storage -20°C, protect from light

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

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

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Acetyl tetrapeptide-15 is a synthetic peptide used in the cosmetics for sensitive skin. Acetyl tetrapeptide-15 is derived from endomorphin-2 (Tyr-Pro-Phe-Phe-NH₂), a human μ -opioid agonist with selective anti-nociceptive effect. Acetyl tetrapeptide-15 reduces skin hyperreactivity producing inflammatory, chronic and neuropathic pain, by increasing the threshold of neuronal excitability in μ -opioid receptor via an endorphin-like pathway[1].

[1]. Resende DISP, et al. Usage of Synthetic Peptides in Cosmetics for Sensitive Skin. Pharmaceuticals (Basel). 2021;14(8):702.

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