

Nociceptin (1-7) acetate

Chemical Properties

CAS No. :

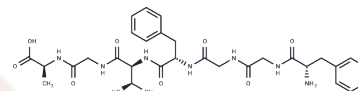
Formula: C₃₁H₄₁N₇O₉

Molecular Weight: 655.7

Keep away from moisture

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Nociceptin (1-7) acetate is a potent agonist of opioid receptor-like 1 (ORL1) receptor. Nociceptin (1-7) combines with nociceptin reduces hyperalgesia and has antinociceptive activity.
Targets(IC50)	Opioid Receptor
In vivo	When Nociceptin (1-7) is injected simultaneously with nociceptin (3.0?fmol), nociceptin-induced hyperalgesia is significantly reduced[1].

Solubility Information

Solubility	DMSO: 10 mg/mL (15.25 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5251 mL	7.6254 mL	15.2509 mL
5 mM	0.305 mL	1.5251 mL	3.0502 mL
10 mM	0.1525 mL	0.7625 mL	1.5251 mL
50 mM	0.0305 mL	0.1525 mL	0.305 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

T Sakurada, et al. Nociceptin (1 - 7) antagonizes nociceptin-induced hyperalgesia in mice.Br J Pharmacol. 1999 Nov;128(5):941-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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