

UFP-101

Chemical Properties

CAS No. : 849024-68-6

Formula: C82H138N32O21

Molecular Weight: 1908.19

Bn-GGGFTGARKSARKRKNQ-NH₂

Appearance: no data available

Storage: keep away from moisture

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

Biological Description

Description	Potent, selective and competitive silent antagonist for the NOP opioid receptor. Binds to NOP with high affinity (pK _i = 10.24) and displays > 3000-fold selectivity over δ, μ and κ opioid receptors. Antinociceptive and opposes the action of nociceptin in vivo.
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Solubility Information

Solubility	H ₂ O: 1 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5241 mL	2.6203 mL	5.2406 mL
5 mM	0.1048 mL	0.5241 mL	1.0481 mL
10 mM	0.0524 mL	0.262 mL	0.5241 mL
50 mM	0.0105 mL	0.0524 mL	0.1048 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.

Reference

Calo et al (2002) [Nphe1,Arg14,Lys15]Nociceptin-NH₂, a novel potent and selective antagonist of the nociceptin/orphanin FQ receptor. Br.J.Pharmacol. 136 303 PMID:

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