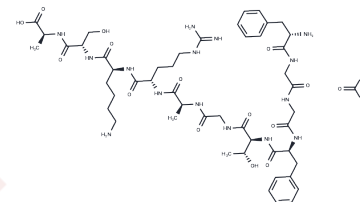


Orphanin FQ(1-11) acetate(178249-41-7 free base)

Chemical Properties

CAS No. :	TP1882L1
Formula:	C51H79N15O16
Molecular Weight:	1158.26
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	Orphanin FQ(1-11) acetate(178249-41-7 free base) is a peptide fragment containing amino acids 1-11 of Nociceptin. Orphanin FQ(1-11) acetate(178249-41-7 free base) is a potent agonist of the ORL1/KOR-3 receptor ($K_i = 55$ nM) and displays no affinity for opioid receptors, including μ , δ , $\kappa 1$ and $\kappa 3$ receptors ($K_i > 1000$ nM). Orphanin FQ(1-11) acetate(178249-41-7 free base) displays analgesic properties in CD-1 mice.
Targets(IC50)	Opioid Receptor

Solubility Information

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

	1mg	5mg	10mg
1 mM	0.8634 mL	4.3168 mL	8.6336 mL
5 mM	0.1727 mL	0.8634 mL	1.7267 mL
10 mM	0.0863 mL	0.4317 mL	0.8634 mL
50 mM	0.0173 mL	0.0863 mL	0.1727 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

Rossi et al (1997) Pharmacological characterization of orphanin FQ/nociceptin and its fragments. J.Pharmacol.Exp. Ther. 282 858 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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