

Orphanin FQ(1-11) TFA

Chemical Properties

CAS No. :

Formula: C51H76F3N15O16

Molecular Weight: 1212.23

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	Orphanin FQ(1-11) TFA, a fragment of orphanin FQ or nociceptin (OFQ/N), acts as a powerful NOP receptor (ORL-1; OP4) agonist with a K_i of 55 nM. It lacks affinity for μ , δ , κ_1 , and κ_3 receptors ($K_i > 1000$ nM), demonstrating specificity, and exhibits analgesic properties in CD-1 mice [1] [2].
Targets(IC50)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8249 mL	4.1246 mL	8.2493 mL
5 mM	0.165 mL	0.8249 mL	1.6499 mL
10 mM	0.0825 mL	0.4125 mL	0.8249 mL
50 mM	0.0165 mL	0.0825 mL	0.165 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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