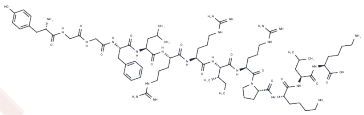
Data Sheet (Cat.No.TP1179)

TargetMol

Porcine dynorphin A(1-13)

Chemical Properties



CAS No. : 72957-38-1

Formula: C75H126N24O15

Molecular Weight: 1603.95

Storage: Keep away from moisture
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	Porcine dynorphin A (1-13), a potent endogenous κ opioid receptor agonist, exhibits antinociceptive properties at physiological concentrations and induces acute increases in [Ca2+]i in neurons, akin to those observed with acute NMDA treatment.
Targets(IC50)	Opioid Receptor

Solubility Information

Solubility	H2O: 60 mg/mL (37.41 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6235 mL	3.1173 mL	6.2346 mL
5 mM	0.1247 mL	0.6235 mL	1.2469 mL
10 mM	0.0623 mL	0.3117 mL	0.6235 mL
50 mM	0.0125 mL	0.0623 mL	0.1247 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

Hauser KF, et al. Dynorphin A (1-13) neurotoxicity in vitro: opioid and non-opioid mechanisms in mouse spinal cord neurons. Exp Neurol. 1999 Dec;160(2):361-75.

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