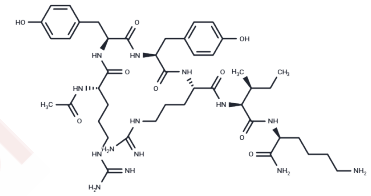


Ac-RYYRIK-NH2

Chemical Properties

CAS No. : 200959-48-4
 Formula: C44H70N14O9
 Molecular Weight: 939.12
 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	High affinity ligand for the NOP site ($K_i = 1.5$ nM). Antagonizes nociceptin-stimulated GTP binding in rat brain and the chronotropic effect of nociceptin on rat cardiomyocytes. However, displays potent agonist properties in vivo, inhibiting locomotor activity in mice.
Targets(IC50)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0648 mL	5.3241 mL	10.6483 mL
5 mM	0.213 mL	1.0648 mL	2.1297 mL
10 mM	0.1065 mL	0.5324 mL	1.0648 mL
50 mM	0.0213 mL	0.1065 mL	0.213 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

- Berger et al (1999) Antagonism by acetyl-RYYRIK-NH2 of G protein activation in rat brain preparations and of chronotropic effect on rat cardiomyocytes evoked by nociceptin/orphanin FQ. Br.J.Pharmacol. 126 555 PMID:
 Berger et al (1999) Acetyl-RYYRIK-NH2, a nociceptin/orphanin FQ (noc/OFQ) receptor ligand, exhibits properties of an antagonist and agonist as well. Regul.Pept. 80 122 PMID:
 Dooley et al (1997) Binding and in vitro activities of peptides with high affinity for the nociceptin/orphanin FQ receptor, ORL1. J.Pharmacol.Exp.Ther. 283 735 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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