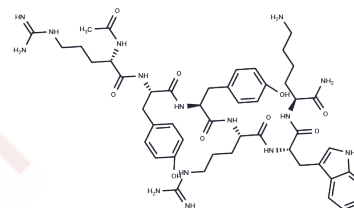


Ac-RYYRWK-NH2

## Chemical Properties

CAS No. : 200959-47-3  
 Formula: C49H69N15O9  
 Molecular Weight: 1012.17  
 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	Potent, selective partial agonist peptide for the NOP receptor ( $K_i = 0.71$ nM). Selective over $\mu$ , $\delta$ and $\kappa$ opioid receptors ( $IC_{50} > 4000$ nM). Increases food intake in vivo.
Targets( $IC_{50}$ )	Opioid Receptor

## Solubility Information

Solubility	H2O: 1 mg/mL (0.99 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.988 mL	4.9399 mL	9.8798 mL
5 mM	0.1976 mL	0.988 mL	1.976 mL
10 mM	0.0988 mL	0.494 mL	0.988 mL
50 mM	0.0198 mL	0.0988 mL	0.1976 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

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:

Ho et al (2000) Characterization of the ORL1 receptor on adrenergic nerve in the rat anococcygeus. Br.J.Pharmacol. 131 349 PMID:

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