

## Ac-RYYRIK-NH2 acetate

### Chemical Properties

CAS No. :

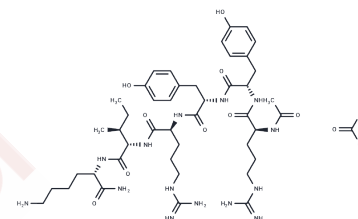
Formula: C46H74N14O11

Molecular Weight: 999.17

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   | Ac-RYYRIK-NH2 acetate is an agonist at nociceptin/orphanin FQ(noc/OFQ) receptors, affecting spontaneous locomotor activity. Ac-RYYRIK-NH2 acetate is a partial agonist on ORL1 transfected in CHO cells, antagonizes the stimulation of [35S]-GTPgammaS binding to G proteins by noc/OFQ in membranes and sections of rat brain. |
| Targets(IC50) | Opioid Receptor  |
| In vivo       | When administered intracerebroventricularly (i.c.v.), Ac-RYYRIK-NH inhibited spontaneous locomotor activity in mice with ID50 of 0.07 nmol, respectively[1].   |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.0008 mL | 5.0042 mL | 10.0083 mL |
| 5 mM  | 0.2002 mL | 1.0008 mL | 2.0017 mL  |
| 10 mM | 0.1001 mL | 0.5004 mL | 1.0008 mL  |
| 50 mM | 0.020 mL  | 0.1001 mL | 0.2002 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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