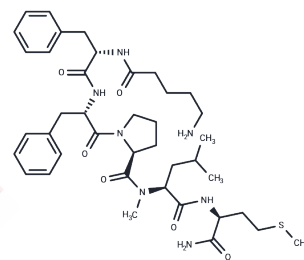


GR-73632

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 133156-06-6   |
| Formula:          | C40H59N7O6S   |
| Molecular Weight: | 766   |
| Storage:          | Keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><i>Actual storage temperature shall be subject to the COA.</i> |



## Biological Description

|               |  |
|---------------|--|
| Description   | Potent and selective tachykinin NK1 receptor agonist (EC50 = 2 nM in guinea pig vas deferens). |
| Targets(IC50) | Neurokinin receptor  |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 10 mM, Sonication is recommended.<br>( $< 1$ mg/ml refers to the product slightly soluble or insoluble)   |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.61 mM), Sonication is recommended.<br><i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.3055 mL | 6.5274 mL | 13.0548 mL |
| 5 mM  | 0.2611 mL | 1.3055 mL | 2.611 mL   |
| 10 mM | 0.1305 mL | 0.6527 mL | 1.3055 mL  |
| 50 mM | 0.0261 mL | 0.1305 mL | 0.2611 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

Sakurada C, et al. Spinal actions of GR73632, a novel tachykinin NK1 receptor agonist. Peptides. 1999;20(2):301-4.

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