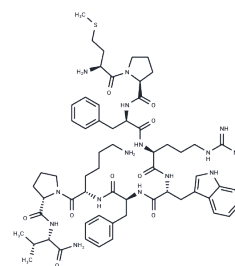


## Nonapeptide-1

## Chemical Properties

|                   |                                                                                     |
|-------------------|-------------------------------------------------------------------------------------|
| CAS No. :         | 158563-45-2                                                                         |
| Formula:          | C <sub>61</sub> H <sub>87</sub> N <sub>15</sub> O <sub>9</sub> S                    |
| Molecular Weight: | 1206.5                                                                              |
| Appearance:       | no data available                                                                   |
| Storage:          | keep away from moisture<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



## Biological Description

|               |                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Nonapeptide-1 (Melanostatin™ 5) can inhibit the synthesis of melanin, which makes it of interest for treating certain skin conditions. |
| Targets(IC50) | Others                                                                                                                                 |

## Solubility Information

|            |                                                                                                                            |
|------------|----------------------------------------------------------------------------------------------------------------------------|
| Solubility | DMSO: 120.65 mg/ml (100 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|----------------------------------------------------------------------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg      |
|-------|-----------|-----------|-----------|
| 1 mM  | 0.8288 mL | 4.1442 mL | 8.2884 mL |
| 5 mM  | 0.1658 mL | 0.8288 mL | 1.6577 mL |
| 10 mM | 0.0829 mL | 0.4144 mL | 0.8288 mL |
| 50 mM | 0.0166 mL | 0.0829 mL | 0.1658 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.

## Reference

Kelly A M , Ophir A G . Compared to what: what can we say about nonapeptide function and social behavior without a frame of reference?[[J]]. Current Opinion in Behavioral Sciences, 2015, 6:97-103.

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