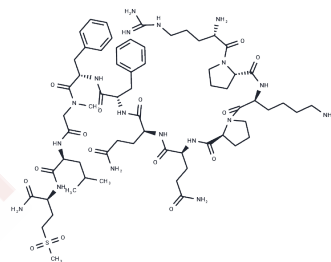


[Sar9,Met(O2)11]-Substance P

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 110880-55-2 |
| Formula: | C64H100N18O15S |
| Molecular Weight: | 1393.66 |
| Storage: | Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | [Sar9,Met(O2)11]-Substance P (NA) is an NK1 receptor agonist. |
| Targets(IC50) | Neurokinin receptor |

Solubility Information

| | |
|------------|---|
| Solubility | H2O: 50 mg/mL (35.88 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.7175 mL | 3.5877 mL | 7.1754 mL |
| 5 mM | 0.1435 mL | 0.7175 mL | 1.4351 mL |
| 10 mM | 0.0718 mL | 0.3588 mL | 0.7175 mL |
| 50 mM | 0.0144 mL | 0.0718 mL | 0.1435 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

Dam T V , Martinelli B , Rémi Quirion. Autoradiographic distribution of brain neurokinin-1/substance P receptors using a highly selective ligand [3H]-[Sar 9, Met(O 2) 11]-substance P]]. Brain Research, 1990, 531(1):333-337.

WILEY, R. G , KLINE, et al. Anti-nociceptive effects of selectively destroying substance P receptor-expressing dorsal horn neurons using [Sar9, Met(O2)11]-SUBSTANCE P-saporin: Behavioral and anatomical analyses]]. neuroscience, 2007, 146(3):1333-1345.

Cellier E, et al. Characterization of central and peripheral effects of septide with the use of five tachykinin NK1 receptor antagonists in the rat. Br J Pharmacol. 1999 Jun;127(3):717-28.

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