

[Sar9, Met(O2)11]-Substance P TFA(110880-55-2, free)

## Chemical Properties

CAS No. :

Formula: C66H101N18F3O17S

Molecular Weight: 1507.68

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	[Sar9, Met(O2)11]-Substance P TFA is a selective tachykinin NK1 receptor agonist. [Sar9, Met(O2)11]-Substance P and septide (10-100 pmol per rat, i.c.v.) are equipotent in increasing mean arterial blood pressure (MAP) and heart rate (HR), yet they have dissimilar time-course. Both agonists increase dose-dependently face washing and sniffing while [Sar9, Met(O2)11]-Substance P is the sole to produce grooming.
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## Solubility Information

Solubility	H2O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6633 mL	3.3164 mL	6.6327 mL
5 mM	0.1327 mL	0.6633 mL	1.3265 mL
10 mM	0.0663 mL	0.3316 mL	0.6633 mL
50 mM	0.0133 mL	0.0663 mL	0.1327 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

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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