# Data Sheet (Cat.No.TP1788)



## Substance P, Free Acid

### **Chemical Properties**

CAS No.: 71977-09-8

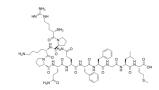
Formula: C63H97N17O14S

Molecular Weight: 1348.61

Appearance: no data available

Storage: keep away from moisture

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### **Biological Description**

Description Substance P, Free Acid is a synthetic analog of native Substance P, however, it lacks the

biological activity exhibited by Substance P.

#### **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	0.7415 mL	3.7075 mL	7.415 mL
5 mM	0.1483 mL	0.7415 mL	1.483 mL
10 mM	0.0742 mL	0.3708 mL	0.7415 mL
50 mM	0.0148 mL	0.0742 mL	0.1483 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

Patel AB, et al. Substance P (free acid) adopts different conformation than native peptide in DMSO, water and DPPC bilayers. J Biomol Struct Dyn. 2001 Aug;19(1):129-38.

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