Data Sheet (Cat.No.TP1931)



[D-Arg1,D-Phe5,D-Trp7,9,Leu11]-Substance P

Chemical Properties

CAS No.: 96736-12-8

Formula: C79H109N19O12

Molecular Weight: 1516.85

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	Broad spectrum neuropeptide inverse agonist and antagonist. Potent full inverse
CO	agonist for the ghrelin receptor (EC50 = 5.2 nM); diminishes constitutive ghrelin receptor
	signaling. Also antagonist at tachykinin, bradykinin, CCK and bombesin receptors.
	Induces apoptosis and inhibits cancer cell growth in vitro.

Solubility Information

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

70)	1mg	5mg	10mg
1 mM	0.6593 mL	3.2963 mL	6.5926 mL
5 mM	0.1319 mL	0.6593 mL	1.3185 mL
10 mM	0.0659 mL	0.3296 mL	0.6593 mL
50 mM	0.0132 mL	0.0659 mL	0.1319 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

Holst et al (2003) High constitutive signaling of the ghrelin receptor - identification of a potent inverse agonist. Mol.Endocrinol. 17 2201 PMID:

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