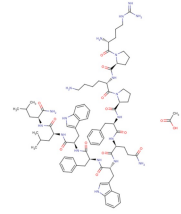


Data Sheet (Cat.No.TP1931L1)

[D-Arg1,D-Phe5,D-Trp7,9,Leu11]-Substance P acetate(96736-12-8 free base)

Chemical Properties

CAS No.:	TP1931L1
Formula:	C81H113N19O14
Molecular Weight:	1576.91
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Broad spectrum neuropeptide inverse agonist and antagonist. Potent full inverse 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.
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Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.634 mL	3.171 mL	6.342 mL
5 mM	0.127 mL	0.634 mL	1.268 mL
10 mM	0.063 mL	0.317 mL	0.634 mL
50 mM	0.013 mL	0.063 mL	0.127 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. 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:
- Jarpe et al (1998) [D-Arg1, D-Phe5, D-Trp7,9, Leu11] Substance P acts as a biased agonist toward neuropeptide and chemokine receptors. J.Biol.Chem. 273 3097 PMID:
- Reeve and Bleehen (1994) [D-Arg1, D-Phe5, D-Trp7,9, Leu11] Substance P induces apoptosis in lung cancer cells in vitro. Biochem.Biophys.Res.Comm. 199 1313 PMID:

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481