

[Orn5]-URP

Chemical Properties

CAS No.:	782485-03-4
Formula:	C ₄₈ H ₆₂ N ₁₀ O ₁₀ S ₂
Molecular Weight:	1003.2
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Urotensin-II (UT) receptor pure antagonist (pEC ₅₀ = 7.24). Displays no agonist activity unlike other U-II/URP analogs. Inhibits the action of U-II in the rat aorta ring assay.
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Solubility Information

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

	1mg	5mg	10mg
1 mM	0.997 mL	4.984 mL	9.968 mL
5 mM	0.199 mL	0.997 mL	1.994 mL
10 mM	0.1 mL	0.498 mL	0.997 mL
50 mM	0.02 mL	0.1 mL	0.199 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

1. Chatenet et al (2004) Structure-activity relationships and structural conformation of a novel urotensin II-related peptide. Peptides 25 1819 PMID:
2. Diallo et al (2008) [Orn5]URP acts as a pure antagonist of urotensinergic receptors in rat cortical astrocytes. Peptides 29 813 PMID:

Inhibitors · Natural Compounds · Compound Libraries

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