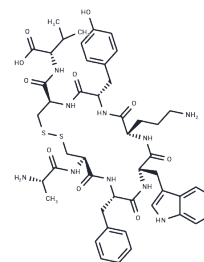


[Orn5]-URP

Chemical Properties

CAS No. : 782485-03-4
 Formula: C48H62N10O10S2
 Molecular Weight: 1003.2
 Storage: Keep away from moisture
 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	Urotensin-II (UT) receptor pure antagonist (pEC50 = 7.24). Displays no agonist activity unlike other U-II/URP analogs. Inhibits the action of U-II in the rat aorta ring assay.
Targets(IC50)	GPCR

Solubility Information

Solubility H2O: 1 mg/mL (1 mM), Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9968 mL	4.9841 mL	9.9681 mL
5 mM	0.1994 mL	0.9968 mL	1.9936 mL
10 mM	0.0997 mL	0.4984 mL	0.9968 mL
50 mM	0.0199 mL	0.0997 mL	0.1994 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

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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