

## [Orn8]-Urotensin II acetate

## Chemical Properties

CAS No. :

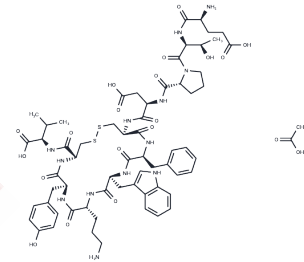
Formula: C<sub>65</sub>H<sub>87</sub>N<sub>13</sub>O<sub>20</sub>S<sub>2</sub>

Molecular Weight: 1434.59

Keep away from moisture

Storage: 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	[Orn8]-Urotensin II acetate is a Urotensin receptor ligand and a partial agonist at Urotensin receptors.
Targets(IC50)	GPCR
In vivo	[Orn8]-Urotensin II acetate behaves as a full agonist (pEC <sub>50</sub> approximately equal 8) at both human and rat UT receptors in the FlipR calcium assay eliciting similar maximal effects as the natural ligand U-II. On the contrary, in the rat aorta bioassay, [Orn8]-Urotensin II acetate behaves as a competitive and selective antagonist (pA <sub>2</sub> = 6.56) showing however a small but consistent residual agonist activity[2].

## Solubility Information

Solubility	DMSO: 14.35 mg/mL (10 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6971 mL	3.4853 mL	6.9706 mL
5 mM	0.1394 mL	0.6971 mL	1.3941 mL
10 mM	0.0697 mL	0.3485 mL	0.6971 mL
50 mM	0.0139 mL	0.0697 mL	0.1394 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

Vergura R, et al. Urotensin II stimulates plasma extravasation in mice via UT receptor activation. Naunyn Schmiedebergs Arch Pharmacol. 2004 Nov;370(5):347-52.

Camarda V, et al. A new ligand for the urotensin II receptor. Br J Pharmacol. 2002 Oct;137(3):311-4.

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