

Urotensin II, mouse acetate (9047-55-6 free base)

Chemical Properties

CAS No. :

Formula: C₆₄H₈₈N₁₄O₁₉S₂

Molecular Weight: 1421.61

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	Urotensin II, mouse acetate (9047-55-6 free base) is an endogenous ligand for the orphan GPR14 or SENR. It is a potent vasoconstrictor.
Targets(IC50)	GPCR
In vivo	Urotensin II (0.1 nmol, 0.3 nmol, and 3 nmol; intracerebroventricular administration) induces anxiogenic-like behaviors in the elevated plus-maze test and the hole-board test in mice in a dose-dependent manner.

Solubility Information

Solubility	DMSO: 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	0.7034 mL	3.5171 mL	7.0343 mL
5 mM	0.1407 mL	0.7034 mL	1.4069 mL
10 mM	0.0703 mL	0.3517 mL	0.7034 mL
50 mM	0.0141 mL	0.0703 mL	0.1407 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

Matsumoto Y, et al. Intracerebroventricular administration of urotensin II promotes angiogenic-like behaviors in rodents. *Neurosci Lett.* 2004 Mar 25;358(2):99-102.

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