

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

Chemical Properties

CAS No. :

Formula: C78H101N18F3O21S2

Molecular Weight: 1747.88

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 TFA 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 angiogenic-like behaviors in the elevated plus-maze test and the hole-board test in mice in a dose-dependent manner.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5721 mL	2.8606 mL	5.7212 mL
5 mM	0.1144 mL	0.5721 mL	1.1442 mL
10 mM	0.0572 mL	0.2861 mL	0.5721 mL
50 mM	0.0114 mL	0.0572 mL	0.1144 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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