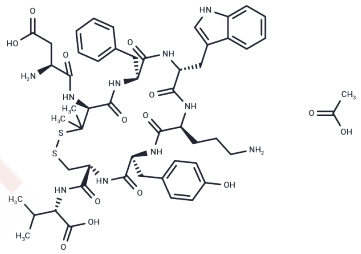
Data Sheet (Cat.No.TP2106L)

TargetMol

Urantide acetate(669089-53-6 free base)

Chemical Properties



CAS No. :

Formula: C53H70N10O14S2

Molecular Weight: 1135.31

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	Urantide acetate is a selective and competitive urotensin-II (UT) receptor antagonist (pKB = 8.3). Blocks hU-II induced contractions in thoracic aorta ex vivo. Exhibits no effect on noradrenaline or endothelin 1-induced contraction or on acetylcholine-induced relaxation. Behaves as a partial agonist in a calcium mobilization assay (in CHO cells expressing hUT receptors).
Targets(IC50)	Neurotensin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8808 mL	4.4041 mL	8.8082 mL
5 mM	0.1762 mL	0.8808 mL	1.7616 mL
10 mM	0.0881 mL	0.4404 mL	0.8808 mL
50 mM	0.0176 mL	0.0881 mL	0.1762 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

Patacchini et al (2003) Urantide: an ultrapotent urotensin II antagonist peptide in the rat aorta. Br.J.Pharmacol. 140 1155 PMID:

Carotenuto et al (2014) Lead optimization of P5U and urantide: discovery of novel potent ligands at the urotensin-II receptor. J.Med.Chem. 57 5965 PMID:

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