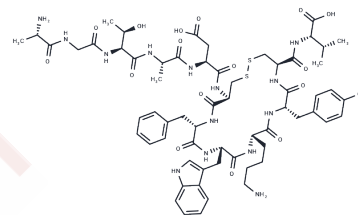


Urotensin II, mouse

Chemical Properties

CAS No. : 9047-55-6
 Formula: C76H100N18O19S2
 Molecular Weight: 1633.86
 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

Jump to search
 UTS2

Identifiers

Aliases

UTS2, PRO1068, U-II, UCN2, UII, urotensin 2

External IDs

OMIM: 604097 MGI: 1346329 HomoloGene: 4939 GeneCards: UTS2

hide

Gene location (Human)

Chr.

Chromosome 1 (human)[1]

Band

1p36.23

Start

7,843,083 bp[1]

End

7,853,512 bp[1]

show

Gene location (Mouse)

hide

RNA expression pattern

More reference expression data

show

Gene ontology

Orthologs

Species

Human

Description	<p>Mouse Entrez</p> <p>10911</p> <p>24111 Ensembl</p> <p>ENSG00000049247</p> <p>ENSMUSG00000028963 UniProt</p> <p>O95399</p> <p>Q9QZQ3 RefSeq (mRNA)</p> <p>NM_006786 NM_021995</p> <p>NM_011910 RefSeq (protein)</p> <p>NP_006777 NP_068835</p> <p>NP_036040 Location (UCSC) Chr 1: 7.84 - 7.85 Mb Chr 4: 151 - 151 Mb PubMed search [3] [4] Wikidata View/Edit Human View/Edit Mouse Urotensin-II</p> <p>Names IUPAC name L-α-glutamyl-L-threonyl-L-prolyl-L-α-aspartyl-L-cysteinyl-L-phenylalanyl-L-tryptophyl-L-lysyl-L-tyrosyl-L-cysteinyl-L-valine (5\rightarrow10)-disulfide</p> <p>Identifiers 3D model (JSmol) Interactive image ChEMBL ChEMBL503037 ChemSpider 24646295 InChI [show]</p>
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A DRUG SCREENING EXPERT

Description	SMILES [show] Properties Chemical formula C64H85N13O18S2 Molar mass 1388.6 g/mol Except where otherwise noted, data are given for materials in their standard state (at 25 °C [77 °F], 100 kPa). Infobox references Urotensin-II (U-II) is a peptide ligand that is the strongest known vasoconstrictor.
Targets(IC50)	GPCR

Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.612 mL	3.0602 mL	6.1205 mL
5 mM	0.1224 mL	0.612 mL	1.2241 mL
10 mM	0.0612 mL	0.306 mL	0.612 mL
50 mM	0.0122 mL	0.0612 mL	0.1224 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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