
Product Data Sheet

Product Name: Urantide
 Cat. No.: GC50138

Chemical Properties

Cas. No. 669089-53-6

SMILES CC(C)[C@@H](NC(=O)[C@@H]1C(SSC(C)(C)[C@@H](NC(=O)[C@@H](N)CC(O)=O)C(=O)N[C@@H](Cc2ccccc2)C(=O)N[C@@H](Cc2c[nH]c3ccccc23)C(=O)N[C@@H](CCCN)C(=O)N[C@@H](Cc2ccc(O)cc2)C(=O)N1)C(O)=O

Formula C₅₁H₆₆N₁₀O₁₂S₂ M.Wt 1075.26

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

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).

Patacchini et al (2003) Urantide: an ultrapotent urotensin II antagonist peptide in the rat aorta. Br.J.Pharmacol. 140 1155 PMID:14645137 |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:24992374

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA
