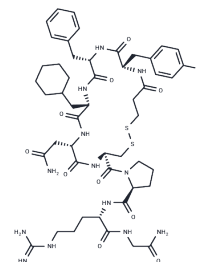


d[Cha4]-AVP

Chemical Properties

CAS No. :	500170-27-4
Formula:	C50H71N13O11S2
Molecular Weight:	1094.31
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Potent and selective human vasopressin V1B receptor agonist (Ki values are 1.2, 151, 240 and 750 nM for V1B, V1A, Oxytocin and V2 receptors respectively). Stimulates ACTH and corticosterone secretion and exhibits negligible vasopressor activity in vivo.
Targets(IC50)	Vasopressin Receptor

Solubility Information

Solubility	H2O: 1 mg/mL (0.91 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9138 mL	4.5691 mL	9.1382 mL
5 mM	0.1828 mL	0.9138 mL	1.8276 mL
10 mM	0.0914 mL	0.4569 mL	0.9138 mL
50 mM	0.0183 mL	0.0914 mL	0.1828 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

Derick et al (2002) [1-Deamino-4-cyclohexylalanine] arginine vasopressin: a potent and specific agonist for vasopressin V1b receptors. Endocrinology 143 4655 PMID:

Cheng et al (2004) Design of potent and selective agonists for the human vasopressin V1b receptor based on modifications of [deamino-cys1]arginine vasopressin at position 4. J.Med.Chem. 47 2375 PMID:

Pena et al (2007) Design and synthesis of the first selective agonists for the rat vasopressin V1b receptor: based on modifications of deamino-[cys1]arginine vasopressin at positions 4 and 8. J.Med.Chem. 50 835 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481