

d[Leu4,Lys8]-VP acetate

Chemical Properties

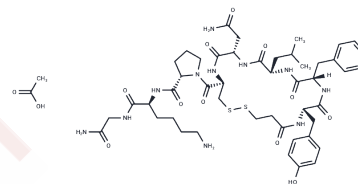
CAS No. :

Formula: C49H71N11O13S2

Molecular Weight: 1086.28

Storage: Store at low temperature, 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	d[Leu4,Lys8]-VP acetate is a selective vasopressin V1b receptor agonist. The Kis for rat, human and mouse V1b receptors are 0.16 nM, 0.52 nM and 0.1.38 nM, respectively. d [Leu4,Lys8]-VP acetate exhibits weak antidiuretic, vasopressor and oxytocic activiti
Targets(IC50)	Vasopressin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9206 mL	4.6029 mL	9.2057 mL
5 mM	0.1841 mL	0.9206 mL	1.8411 mL
10 mM	0.0921 mL	0.4603 mL	0.9206 mL
50 mM	0.0184 mL	0.0921 mL	0.1841 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

Ana P, et, al. Design and synthesis of the first selective agonists for the rat vasopressin V(1b) receptor: based on modifications of deamino-[Cys1]arginine vasopressin at positions 4 and 8. J Med Chem. 2007 Feb 22; 50(4): 835-47.

Ana P, et, al. Pharmacological and physiological characterization of d[Leu4, Lys8]vasopressin, the first V1b-selective agonist for rat vasopressin/oxytocin receptors. Endocrinology. 2007 Sep; 148(9): 4136-46.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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