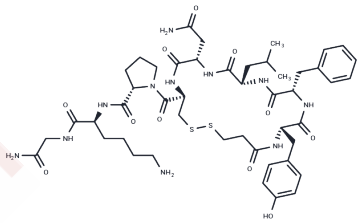
Data Sheet (Cat.No.TP1927)

TargetMol

d[Leu4,Lys8]-VP

Chemical Properties



CAS No. : 42061-33-6

Formula: C47H67N11O11S2

Molecular Weight: 1026.2

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	Selective vasopressin V1B receptor agonist (Ki values are 0.16, 64, 100 and 3800 nM for V1B, oxytocin, V2 and V1A receptors respectively). Displays weak antidiuretic, vasopressor and in vitro oxytocic activities.
Targets(IC50)	Vasopressin Receptor

Solubility Information

Solubility	H2O: 2 mg/mL (1.95 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9745 mL	4.8723 mL	9.7447 mL
5 mM	0.1949 mL	0.9745 mL	1.9489 mL
10 mM	0.0974 mL	0.4872 mL	0.9745 mL
50 mM	0.0195 mL	0.0974 mL	0.1949 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

Pena et al (2007) Design and synthesis of the frist 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:
Pena et al (2007) Pharmacological and physiological characterization of d[Leu4,Lys8]vasopressin, the first V1b-selective agonist for rat vasopressin/oxytocin receptors. Endocrinology 148 4136 PMID:

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