

Vasopressin-D5 trifluoroacetate

Chemical Properties

CAS No. :

Formula: C50H62D5F6N15O16S2

Molecular Weight: 1317.31

Storage: 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	Vasopressin-D5 trifluoroacetate is the trifluoroacetic acid salt form of Vasopressin-D5, an isotopically labeled derivative of Vasopressin. Vasopressin, a cyclic nonapeptide, is synthesized in the medial hypothalamus and plays a critical role in the hypothalamic-pituitary-adrenal axis by enhancing the stimulation of corticotropin-releasing factor, thereby regulating the secretion of adrenocorticotrophic hormone. Additionally, Vasopressin acts as a neurotransmitter, exerting its effects through interaction with specific G-protein-coupled receptors.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7591 mL	3.7956 mL	7.5912 mL
5 mM	0.1518 mL	0.7591 mL	1.5182 mL
10 mM	0.0759 mL	0.3796 mL	0.7591 mL
50 mM	0.0152 mL	0.0759 mL	0.1518 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.

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