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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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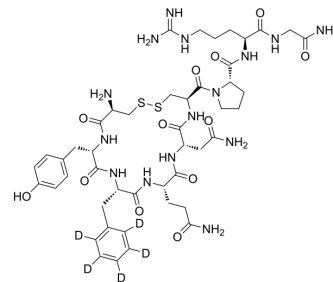
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Vasopressin-d₅

Cat. No.:	HY-B1811S1
Molecular Formula:	C ₄₆ H ₆₀ D ₅ N ₁₅ O ₁₂ S ₂
Molecular Weight:	1089.26
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Vasopressin-d₅ is an isotope-labeled compound of Vasopressin. Vasopressin is a cyclic nonapeptide that is synthesized centrally in the hypothalamus. Vasopressin participates in the hypothalamic-pituitary-adrenal axis and regulates pituitary corticotropin secretion by potentiating the stimulatory effects of the corticotropin-releasing factor. Vasopressin also can act as a neurotransmitter, exerting its action by binding to specific G protein-coupled receptors^{[1][2][3]}.

REFERENCES

- [1]. Baribeau DA, et, al. Oxytocin and vasopressin: linking pituitary neuropeptides and their receptors to social neurocircuits. *Front Neurosci*. 2015 Sep 24;9:335.
- [2]. Ramos L, et, al. Acute prosocial effects of oxytocin and vasopressin when given alone or in combination with 3,4-methylenedioxymethamphetamine in rats: involvement of the V1A receptor. *Neuropsychopharmacology*. 2013 Oct;38(11):2249-59.
- [3]. Gal CSL, et, al. Characterization of (2S,4R)-1-[5-chloro-1-[(2,4-dimethoxyphenyl)sulfonyl]-3-(2-methoxy-phenyl)-2-oxo-2,3-dihydro-1H-indol-3-yl]-4-hydroxy-N,N-dimethyl-2-pyrrolidine carboxamide (SSR149415), a selective and orally active vasopressin V1b receptor antagonist. *J Pharmacol Exp Ther*. 2002 Mar;300(3):1122-30.

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

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