

VIP (1-12), human, porcine, rat, ovine

Cat. No.:	HY-P4015
CAS No.:	120928-03-2
Molecular Formula:	C ₆₁ H ₈₈ N ₁₈ O ₂₂
Molecular Weight:	1425.46
Sequence Shortening:	HSDAVFTDNYTR
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	VIP (1-12), human, porcine, rat, ovine is a vasoactive intestinal peptide (VIP) fragment. VIP (1-12), human, porcine, rat, ovine is a ligand for the CD4 (T4)/human immunodeficiency virus receptor ^{[1][2]} .	
In Vivo	VIP (1-12), human, porcine, rat, ovine (1-10 µg; ICV) causes memory impairment in passive avoidance responding of the rat ^[1] .	
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Male Wistar rats (250 g) ^[1]
	Dosage:	1, 2.5, 5, 10 µg
	Administration:	Intracerebroventricular injection
	Result:	Caused a dose-dependent decrease in the response.

REFERENCES

- [1]. Takashima A, et, al. Vasoactive intestinal peptide (VIP) causes memory impairment in passive avoidance responding of the rat. *Peptides*. 1993 Oct;14(5):1067-71.
- [2]. Sacerdote P, et, al. Vasoactive intestinal peptide 1-12: a ligand for the CD4 (T4)/human immunodeficiency virus receptor. *J Neurosci Res*. 1987;18(1):102-7.

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

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