

Desamino(D-3-(3'-pyridyl)-Ala2,Arg8)-Vasopressin

Cat. No.:	HY-P4010
CAS No.:	136105-89-0
Molecular Formula:	C ₄₅ H ₆₃ N ₁₅ O ₁₁ S ₂
Molecular Weight:	1054.21
Sequence Shortening:	Mpr-D-Pyridylalanine-FQNCPRG-NH2 (Disulfide bridge:Mpr1-Cys6)
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Desamino(D-3-(3'-pyridyl)-Ala2,Arg8)-Vasopressin, a synthetic analog of vasopressin (AVP), is a weak agonist at antidiuretic receptor. However, Desamino(D-3-(3'-pyridyl)-Ala2,Arg8)-Vasopressin is a potent agonist at pituitary corticotrope receptor ^[1] .
IC₅₀ & Target	Antidiuretic receptor; Pituitary corticotrope receptor ^[1]
In Vitro	Desamino(D-3-(3'-pyridyl)-Ala2,Arg8)-Vasopressin (1 nM-10 μM) shows corticotropin-releasing activity in cultured dissociated ovine anterior pituitary cells of sheep ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Desamino(D-3-(3'-pyridyl)-Ala2,Arg8)-Vasopressin (50 μg/sheep; i.v.; single dose) shows corticotropin-releasing activity in sheep ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Schwartz J, et al. A potent new synthetic analog of vasopressin with relative agonist specificity for the pituitary. *Endocrinology*. 1991 Aug;129(2):1107-9.

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

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