

SKF 100398

Cat. No.:	HY-P3066
CAS No.:	77453-01-1
Molecular Formula:	C ₅₃ H ₇₇ N ₁₃ O ₁₁ S ₂
Molecular Weight:	1136.39
Sequence:	{{(1-Mercaptocyclohexyl)acetyl}-[Tyr(O-Ethyl)]-Phe-Val-Asn-Cys-Pro-Arg-Gly-NH ₂ (Disulfide bridge: 1-Cys6)
Sequence Shortening:	{{(1-Mercaptocyclohexyl)acetyl}-[Tyr(O-Ethyl)]-YFVNCPRG-NH ₂ (Disulfide bridge: 1-Cys6)
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Storage:	Sealed storage, away from moisture Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

BIOLOGICAL ACTIVITY

Description	SKF 100398 (d(CH ₂) ₅ Tyr(Et)VAVP), an arginine vasopressin (AVP) analogue, is a specific antagonist of the antidiuretic effect of exogenous and endogenous AVP ^[1] .
In Vivo	SKF 100398 is a specific antagonist of the hydrosmotic effect of exogenous and endogenous AVP ^[1] . SKF 100398 (8 µg/kg; i.v.) abolishes the antidiuretic effect of AVP ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
Animal Model:	Male Sprague-Dawley rats (250-300 g) ^[1]
Dosage:	8 µg/kg
Administration:	Intravenous injection
Result:	Completely blocked the antidiuretic effect of exogenous AVP (4 ng/kg body wt i.v.).

REFERENCES

[1]. S Ishikawa, et al. Further in vivo evidence for antagonist-to-antidiuretic action of arginine vasopressin. Am J Physiol. 1983 Nov;245(5 Pt 1):R713-9.

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

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