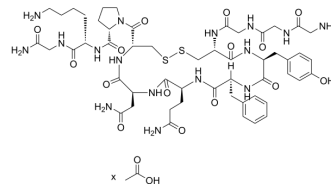


Terlipressin acetate

Cat. No.:	HY-12554B
CAS No.:	914453-96-6
Molecular Formula:	$C_{52}H_{72}N_{16}O_{16}S_2 \cdot (C_2H_6O)_x$
Sequence:	Gly-Gly-Gly-Cys-Tyr-Phe-Gln-Asn-Cys-Pro-Lys-Gly-NH ₂ (Disulfide bridge: Cys4-Cys9)
Sequence Shortening:	GGGCFQNCPKG-NH ₂ (Disulfide bridge: Cys4-Cys9)
Target:	Vasopressin Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Terlipressin acetate is a vasopressin analogue with potent vasoactive properties. Terlipressin acetate is a highly selective vasopressin V1 receptor agonist that reduces the splanchnic blood flow and portal pressure and controls acute variceal bleeding. Terlipressin acetate exerts anti-inflammatory and anti-oxidative effects. Terlipressin acetate has the potential for hepatorenal syndrome and norepinephrine-resistant septic shock research ^{[1][2][3][4][5]} .
IC₅₀ & Target	vasopressin V1 receptor ^[1]

CUSTOMER VALIDATION

- Sci Rep. 2020 Dec 3;10(1):21037.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Zi-Meng Liu, et al. Terlipressin Protects Intestinal Epithelial Cells Against Oxygen-Glucose Deprivation/Re-Oxygenation Injury via the Phosphatidylinositol 3-kinase Pathway. *Exp Ther Med*. 2017 Jul;14(1):260-266.
- [2]. Xinmiao Zhou, et al. Terlipressin for the Treatment of Acute Variceal Bleeding: A Systematic Review and Meta-Analysis of Randomized Controlled Trials. *Medicine (Baltimore)*. 2018 Nov;97(48):e13437.
- [3]. Zi-Meng Liu, et al. Terlipressin Protects Intestinal Epithelial Cells Against Oxygen-Glucose Deprivation/Re-Oxygenation Injury via the Phosphatidylinositol 3-kinase Pathway. *Exp Ther Med*. 2017 Jul;14(1):260-266.
- [4]. Xiqiang Liu, et al. Signaling Through Hepatocyte Vasopressin Receptor 1 Protects Mouse Liver From Ischemia-Reperfusion Injury. *Oncotarget*. 2016 Oct 25;7(43):69276-69290.
- [5]. Yeun Tarl Fresner Ng Jao, et al. Refractory Torsade De Pointes Induced by Terlipressin (Glypressin). *Int J Cardiol*. 2016 Nov 1;222:135-140.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA