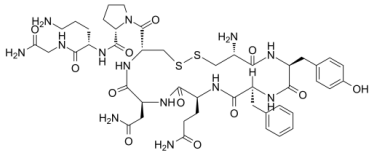
Data Sheet

Product Name:	Ornipressin
Cat. No.:	CS-5839
CAS No.:	3397-23-7
Molecular Formula:	C45H63N13O12S2
Molecular Weight:	1042.19
Target:	Others
Pathway:	Others
Solubility:	H2O : ≥ 100 mg/mL (95.95 mM)



BIOLOGICAL ACTIVITY:

Ornipressin is a potent vasoconstrictor, hemostatic and renal agent. Sequence: Cys-Tyr-Phe-Gln-Asn-Cys-Pro-{Orn}-Gly-NH2 (Disulfide bridge: Cys1-Cys6).

References:

[1]. Fruhstorfer H, et al. Dose-response relation of ornipressin with regard to vasoconstriction in human skin. Br J Anaesth. 1994 Aug;73(2):220-4.

[2]. De Kock M, et al. Ornipressin (Por 8): An efficient alternative to counteract hypotension during combined general/epidural anesthesia. Anesth Analg. 2000 Jun;90(6):1301-7.

CAIndexNames:

Vasopressin, 8-L-ornithine-

SMILES:

O=C([C@H](CSSC[C@@H](C(N[C@H](C1=O)CC2=CC=C(O)C=C2)=O)N)NC([C@@H](NC([C@@H](NC([C@](N1)([H])CC3=CC=CC=C3)=O)CCC(N)=O)=O)CC(N)=O)=O)N(CCC4)[C@@H]4C(N[C@@H](CCCN)C(NCC(N)=O)=O)=O

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

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