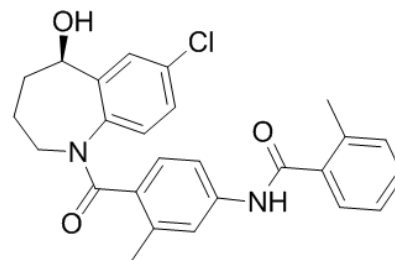


Product Name : Tolvaptan
Cat. No. : PC-45125
CAS No. : 150683-30-0
Molecular Formula : C₂₆H₂₅ClN₂O₃
Molecular Weight : 448.9413
Target : Vasopressin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Tolvaptan (OPC-41061) is a highly potent selective, competitive **vasopressin V2-receptor** antagonist with K_i of 0.43 nM, >200-fold more selective than for V1A-receptors.

Tolvaptan (OPC-41061) inhibits cAMP production induced by AVP with no intrinsic agonist activity.

Tolvaptan (OPC-41061) clearly produces dose-dependent aquaresis in rats.

Tolvaptan (OPC-41061) is orally active.

References

Yamamura Y, et al. *J Pharmacol Exp Ther.* 1998 Dec;287(3):860-7.

Kondo K, et al. *Bioorg Med Chem.* 1999 Aug;7(8):1743-54.

Miyazaki T, et al. *Endocrinology.* 2005 Jul;146(7):3037-43.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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