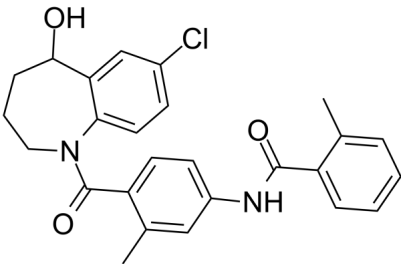


Certificate of Analysis

Catalog Number	BP12478
Product Name	Tolvaptan

Physical and Chemical Properties

Synonyms	OPC-41061
CAS No.	150683-30-0
Chemical Formula	C ₂₆ H ₂₅ ClN ₂ O ₃
Molecular Weight	448.95
Solubility	DMSO: 44.9 mg/mL (100 mM) Ethanol: 4.5 mg/mL (10 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of Tolvaptan is shown. It features a central benzene ring with a chlorine atom at the 4-position and a hydroxyl group at the 1-position. This ring is connected via a nitrogen atom to a seven-membered ring containing a carbonyl group. The nitrogen atom is also connected to a benzene ring with a methyl group at the 3-position and an amide group at the 1-position. The amide group is connected to a benzene ring with a methyl group at the 3-position.</p>

Product Information

Description	Tolvaptan is an orally bioavailable, selective, arginine vasopressin receptor 2 (V2, AVPR2) antagonist that can be used to treat hyponatremia.
Targets&IC50	vasopressin receptor 2:3 nM

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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