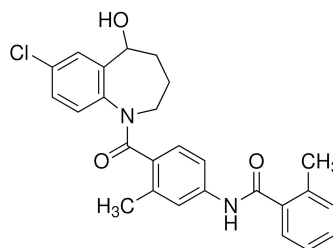


## Certificate of Analysis

**Product Name :** Tolvaptan ≥98% (HPLC), powder  
**Product Number :** T7455-BULK  
**Batch Number :** 0000050525  
**CAS Number :** 150683-30-0  
**Storage Temperature :** Cooler/Refrigerated  
**Molecular Formula :** C<sub>26</sub>H<sub>25</sub>ClN<sub>2</sub>O<sub>3</sub>  
**Formula Weight :** 448.94  
**Quality Release Date :** 30 Nov 2018



Test	Specification	Result
Appearance (Color)	White to Beige	White
Appearance (Form)	Powder	Powder
Solubility (Turbidity)	Clear	Clear
Solubility (Color)	Conforms to Requirements	Colorless
Concentration	≥ 15.0 mg/ml	56.0 mg/ml
DMSO		
Purity (HPLC)	≥ 97.5 %	99.5 %
Identity	Confirmed	Confirmed
Water Content	0.0 - 2.0 mol	0.2 mol
Elemental Composition	Pass	Pass

Brendan Nye, QC Supervisor

Quality Control

Natick, Massachusetts

US