



# Certificate of analysis

Product name: Bosentan hydrate

Cas number: 157212-55-0

Molecular Formula:  $C_{27}H_{29}N_5O_6 \cdot H_2O$

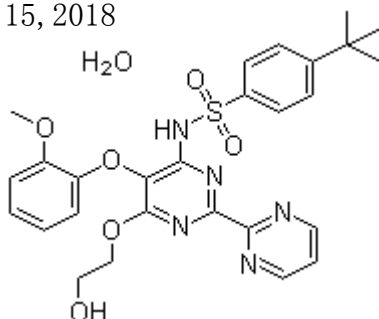
Molecular Weight: 569.63

Date of production: Aug. 15, 2018

Batch No: 20180815

Exp Date: Aug. 14, 2020

Chemical structure:



Items	Specifications	Results
Appearance	A white to pale yellow solid powder	Complies
Solubility	Practically insoluble in water and sparingly soluble in methanol	Complies
Water	2% ~ 4%	2.6% w/w
Residue	Not more than 0.2% w/w	0.05% w/w
Heavy metals	Not more than 20 ppm	Less than 20 ppm
Individual impurity	≤0.5%	0.26%
Assay (HPLC)	≥99%	99.32%

**Conclusion: It complies with the Enterprise Standard.**

Analyst: Zhao

Checker: Liu



Q.C Director: Fang F