



# Certificate of analysis

Product name: Saxagliptin hydrate

Cas number: 945667-22-1

Molecular Formula: C<sub>18</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>·H<sub>2</sub>O

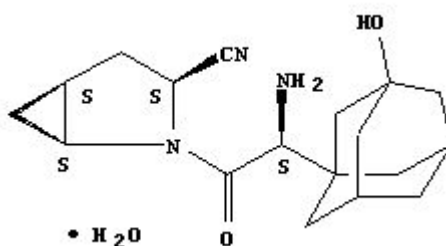
Molecular Weight: 333.43

Date of production: Oct. 18, 2014

Batch NO: 20141018

Exp Date: Oct. 17, 2016

Chemical structure:



Items	Specifications	Results
Appearance	White to off-white powder	Conform
Identification	NMR HPLC	Conform
Water content	Not more than 1.0%	0.7%
Residue on ignition	Not more than 0.1%	0.04%
Related impurity	Total impurity not more than 2.0%	0.6%
	Single impurity not more than 0.5%	0.2%
Heavy metal	Not more than 20ppm	Complies
Assay (Optical HPLC)	More than 98%	99.4%

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

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F