



# Certificate of analysis

Productname : Doripenem hydrate

Cas number : 364622-82-2

Molecular Formula:  $C_{15}H_{24}N_4O_6S_2 \cdot H_2O$

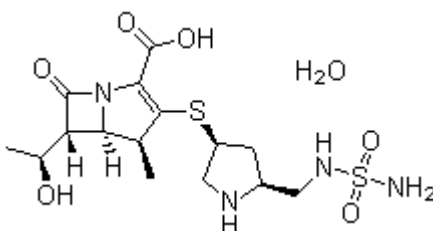
Molecular Weight: 438.52

Date of production: Jan. 07, 2018

Batch No: 20180107

EXP DATE: Jan. 06, 2020

Chemical structure:



Items	Specifications	Results
Appearance	White to Light Yellow Powder	Confirm
Specific Rotation	+32.0° ~ +40°	+34.6°
Heavy metals	Not more than 20ppm	Confirm
PH	4.5~6.0	5.47
Clarity and colour of solution	Not more than coloured No.Y5 or YG5	No.Y1
Related Substances (HPLC)	Any single impurity Not more than 0.5% Total impurities Not more than 2.0%	0.06% 0.37%
Purity	Not less than 98%	99.63%
Water	4.0%~5.0%	4.57%
Residue on Ignition	Not more than 0.1%	0.06%

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

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F