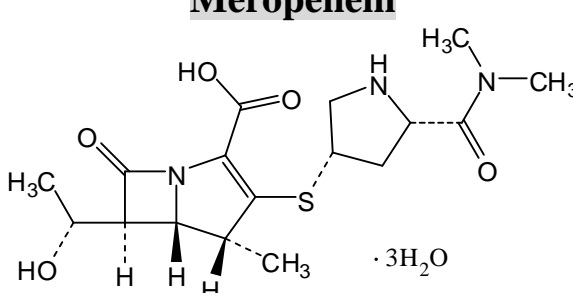


# SPECIFICATIONS

Product Name		<div>Meropenem</div> <div></div>		
Cas No.		119478-56-7		
Molecular Formula		C <sub>17</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub> S•3H <sub>2</sub> O	Molecular Weight	437.52
No.	Items	Specifications		
1	Description	Colorless to white crystals		
2	Identification 1) IR 2) UV	Both spectra exhibit similar intensities of absorption at the same wave number. Both spectra exhibit similar intensities of absorption at the same wavelengths.		
3	Specific rotation	-17° ~ -21°		
4	pH	4.0~6.0		
5	Water	11.4~13.4%		
6	Residue on ignition	Not more than 0.1%		
7	Heavy metals	Not more than 0.001%		
8	Limit of acetone	NMT 0.05%		
9	Chromatographic purity	Not more than 0.3% (RRT 0.45)		
		Not more than 0.3% (RRT 1.9)		
		Not more than 0.1% (Any other impurity)		
		Not more than 0.3% (Total other impurities)		
10	Bacterial endotoxins	Not more than 0.125 EU/mg		
11	Sterility	Sterile		
12	Assay	98.0 ~ 101.0% (as anhydrous basis, C <sub>17</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub> S)		