Certificate of Analysis

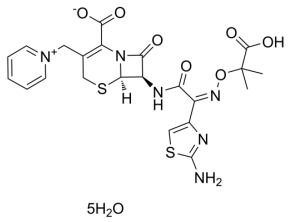
Ceftazidime (pentahydrate)

Cat. No.:	HY-B0593A
CAS No.:	78439-06-2
Batch No.:	368359
Chemical Name:	Pyridinium, 1-[[(6R,7R)-7-[[(2Z)-(2-amino-4-thiazolyl)[(1-carboxy-1-methylethoxy)imino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-, inner salt, hydrate (1:5)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_{22}H_{32}N_6O_{12}S_2$
Molecular Weight:	**636.65**
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (HPLC):	**98.84%**
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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