

Certificate of Analysis

Product Name	Ceftolozane sulfate
Catalog No.	V17866
Batch No.	V1786601

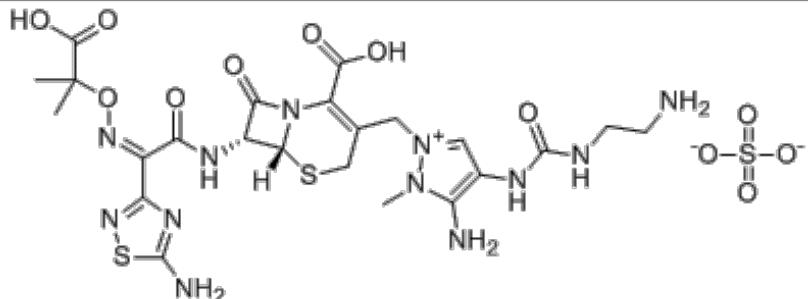
1. Physical and Chemical Properties

Appearance	White powder
Molecular Formula	C ₂₃ H ₃₂ N ₁₂ O ₁₂ S ₃
Molecular Weight	764.7684
Purity	Assay: =101.3%
CAS No.	936111-69-2
Production Date	
Retest Date	2028-06-11

2. Analytical Data

Test Item	Specification	Result
Specific optical rotation	-12.0°~20.0°	-14.6°
HPLC	Retention time of the sample matches that of the reference standard	Conforms
IR	Should conforms	Conforms
Impurity YRI258-01	≤0.15%	0.08%
Impurity YRI258-02	≤0.5%	0.23%
Impurity YRI258-03	≤0.15%	0.10%
Impurity YRI258-04	≤0.15%	0.05%
Impurity YRI258-05	≤0.5%	0.14%
Unidentified single impurity	≤0.10%	0.05%
Total impurities	≤1.5%	0.8%
Sulfate	10.5~13.5%	11.7%
Water content	≤8.5%	6.2%
Residue on ignition	≤0.1%	0.03%
Assay	Ceftolozane contains not less than 97.0% and not more than 103.0% of C ₂₃ H ₃₀ N ₁₂ O ₈ S ₂ , calculated on the anhydrous and sulfuric acid free basis.	101.3%

3. Structure



4. Storage Condition

Storage Condition	Powder	-20°C	3 years
		4°C	2 years
In solvent	In solvent	-80°C	6 months
		-20°C	1 month

Products are for research use only • Not for human or veterinary use

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