

Certificate of Analysis

Product Name	Cefiderocol sulfate tosylate
Catalog No.	V107964
Batch No.	V10796401

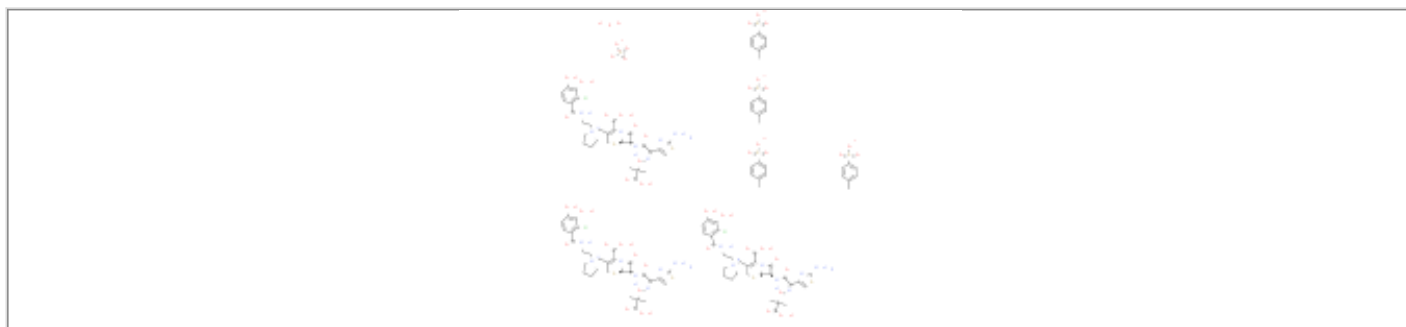
1. Physical and Chemical Properties

Appearance	White powder
Molecular Formula	C ₃₀ H ₃₄ ClN ₇ O ₁₀ S ₂
Molecular Weight	752.21
Purity	≥98.8%
CAS No.	2135543-94-9
Production Date	
Retest Date	2028-06-24

2. Analytical Data

Test Item	Specification	Result
Solubility	Dissolved in Dichloromethane, Methanol, Dimethylsulfoxide and N,N-Dimethylformamide, Slightly soluble in water, Very Slightly soluble in acetonitrile.	Conforms
HPLC	Retention time of the sample matches that of the reference standard	Conforms
IR	Should conform	Conforms
pH	5.2~5.8	5.5
Appearance of solution	the solution should be clear and colorless	Conforms
Impurity YRI209-01	≤0.15%	0.12%
Impurity YRI209-02	≤0.15%	0.10%
Impurity YRI209-03	≤0.30%	0.13%
Unidentified single impurity	≤0.10%	0.07%
Total impurities	≤1.5%	0.8%
Sulfate	4.2~4.9%	4.6%
p-toluene sulfonic acid	21.5-22.3%	21.8%
Water Content	12.0~17.0%	15.6%
Residue on ignition	≤0.1%	0.02%
Heavy metal	≤10ppm	Conforms
Residue Solvents	Comply with ICH request	Conforms

3. Structure



4. Storage Condition

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

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

Tel: +1 708 310-1919

InvivoChem LLC Fax: +1 708 557-7486
<http://www.invivochem.com/>

Email: info@invivochem.com