

Analysis Date: 09-05-2025

Re-test Date: 09-05-2028

CEFTAROLINE IMPURITY 3

Identification

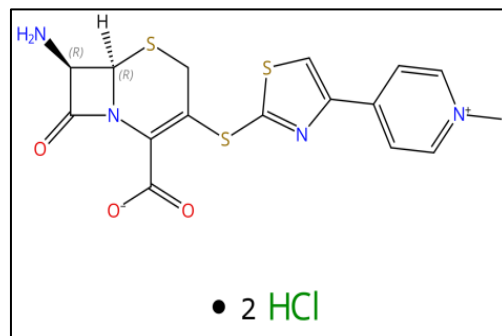
Chemical Name : (6R,7R)-7-Amino-3-((4-(1-methylpyridin-1-ium-4-yl)thiazol-2-yl)thio)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate hydrochloride.

CAT No : ALL-CEF-5506

CAS No : 2423165-50-6

Molecular Formula : C₁₆H₁₄N₄O₃S₃ : 2HCl

Molecular Weight : 406.5 : 2(36.5)



Analytical Information

Batch Code	: ALL-CEF-5506	HPLC Purity	: 98.01%
Solubility	: MeOH: ACN	Potency	: 96.36%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 °C	IR Analysis	: Confirm
Weight Content By TGA	: 1.047%	¹H NMR	: Confirm
Residue Of Ignition	: 0.627%		

Additional Information

%Potency = [100 - (Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =
 [100 - (1.047+0.627) × 98.01]/100 = 96.36 %

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office