

Analysis Date: 22-05-2025

Re-test Date: 22-05-2028

## CEFTAROLINE IMPURITY 21

### Identification

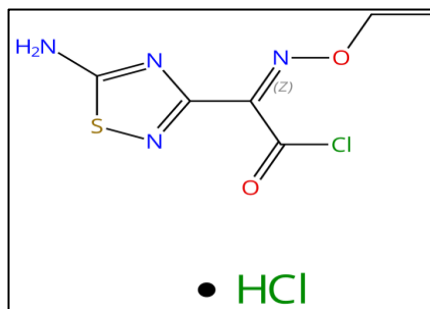
**Chemical Name** : (Z)-2-(5-Amino-1,2,4-thiadiazol-3-yl)-2-(ethoxyimino)acetyl chloride hydrochloride

**CAT No** : ALL-CEF-1098

**CAS No** : 81661-09-8

**Molecular Formula** : C<sub>6</sub>H<sub>7</sub>ClN<sub>4</sub>O<sub>2</sub>S : HCl

**Molecular Weight** : 234.7 : 36.5



### Analytical Information

<b>Batch Code</b>	: ALL-CEF-1098	<b>HPLC Purity</b>	: 98.03%
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 96.84%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C	<b>IR Analysis</b>	: Confirm
<b>Weight Content By TGA</b>	: 0.536%	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.673%		

### Additional Information

%Potency = [100 - (Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =  
 [100 - (0.536+0.673× 98.03)]/100 = 96.84%

**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, <sup>1</sup>H NMR, IR, TGA

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

#### Corporate Office