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## CERTIFICATE OF ANALYSIS

Analysis Date:

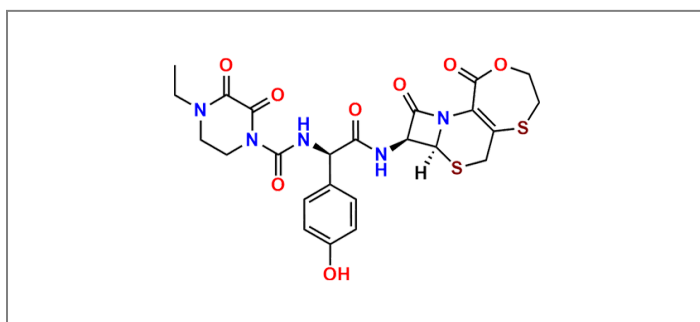
Re-test Date:

**Product Name: Cefoperazone Impurity 5**

### Identification:

Chemical Name: N-((R)-2-(((7aR,8R)-1,9-dioxo-1,3,4,6,7a,8-Hexahydro-9H-azeto[2,1-b][1,4]oxathiepine[6,5-d][1,3]thiazin-8-yl)amino)-1-(4-hydroxyphenyl)-2-oxoethyl)-4-ethyl-2,3-dioxopiperazine-1-carboxamide

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-C154014  
Molecular Formula : C<sub>24</sub>H<sub>25</sub>N<sub>5</sub>O<sub>8</sub>S<sub>2</sub>  
Molecular Weight : 575.6



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	<sup>1</sup> HNMR	Confirm to structure



**Prepared and Reviewed By**



Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**



Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.