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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2024

Re-test Date: Feb 2027

**Product Name: Cetirizine Impurity 2**

### Identification:

Chemical Name: 1-((4-Chlorophenyl)(phenyl)methyl)-4-(phenylsulfonyl)piperazine

Synonyms : Cefepime USP Related  
Compound E

CAS Number : 1391052-52-0

CAT Number : CP-C14030

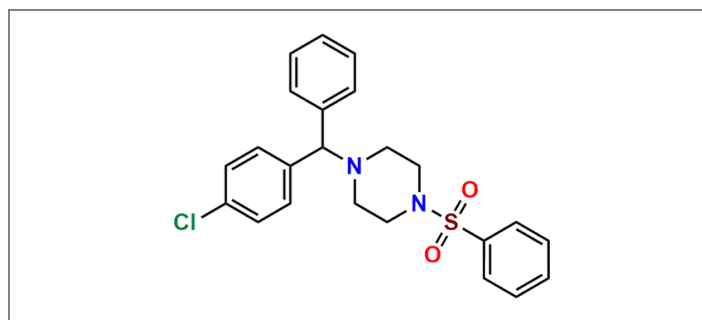
Molecular Formula : C<sub>23</sub>H<sub>23</sub>ClN<sub>2</sub>O<sub>2</sub>S

Molecular Weight : 426.96

Batch Number : CP-CET-2-0324

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	100%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	0.9575%
8)	Potency by TGA	99.04%



Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Manager QC Analytical)

Approved By

Ms Rohini Gagare  
(QA Head)

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