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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Montelukast EP Impurity C**

### Identification:

Chemical Name: [1-[[[1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]sulfinyl]methyl]cyclopropyl]acetic acid (as per EP)

Synonyms : Montelukast Sulfoxide(Mixture of Diastereomers) ; Montelukast USP Related Compound C

CAS Number : 909849-96-3

CAT Number : CP-M25003

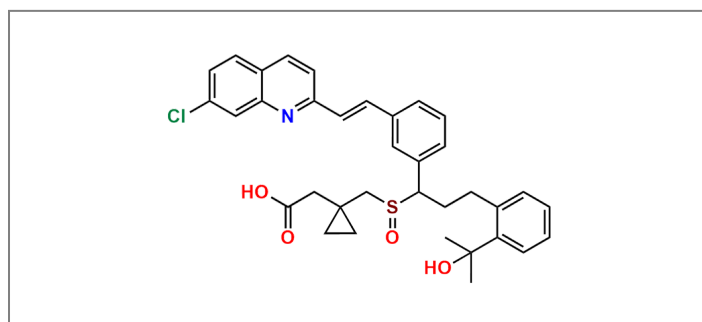
Molecular Formula : C<sub>35</sub>H<sub>36</sub>ClNO<sub>4</sub>S

Molecular Weight : 602.19

Batch Number : CP-MON-C-0724

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 to Off White Solid
2)	Solubility	Soluble in DMSO/ACN:H <sub>2</sub> O (8:2)
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	92.65 %
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	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.