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## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2027

**Product Name: Montelukast EP Impurity I**

### Identification:

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

Synonyms : Montelukast alpha-Hydroxy Analog

CAS Number : 2045402-27-3

CAT Number : CP-M25009

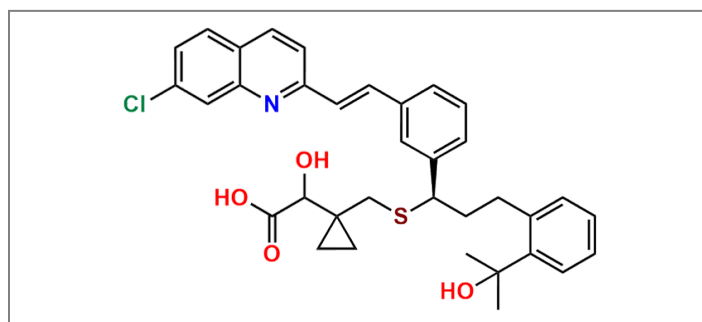
Molecular Formula : C<sub>35</sub>H<sub>36</sub>ClNO<sub>4</sub>S

Molecular Weight : 602.19

Batch Number : CP-MON-I-0425

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	Pale Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.00%
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.