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## CERTIFICATE OF ANALYSIS

Analysis Date: Jul 2024

Re-test Date: Jun 2027

**Product Name: Montelukast EP Impurity B**

### Identification:

Chemical Name: (R,E)-2-(1-(((1-(3-(2-(7-chloroquinolin-2-yl)vinyl)phenyl)-3-(2-(prop-1-en-2-yl)phenyl)propyl)thio)methyl)cyclopropyl)acetic acid

Synonyms : Montelukast USP Related  
Compound F ; Montelukast  
Methylstyrene

CAS Number : 918972-54-0

CAT Number : CP-M25002

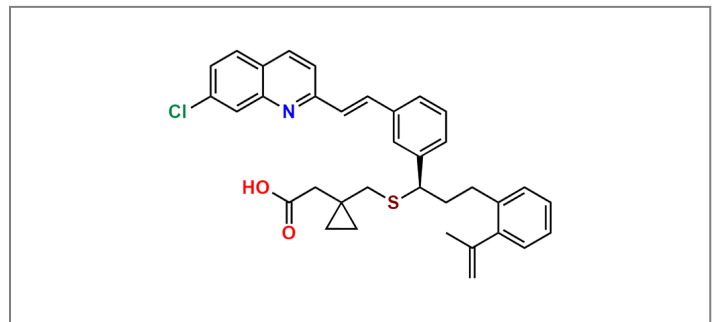
Molecular Formula : C<sub>35</sub>H<sub>34</sub>ClNO<sub>2</sub>S

Molecular Weight : 568.17

Batch Number : CHEM-MON-STY

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	Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	95.3%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



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.