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## CERTIFICATE OF ANALYSIS

Analysis Date: Sep 2023

Re-test Date: Aug 2026

**Product Name: Montelukast EP impurity G**

### Identification:

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

Synonyms : Montelukast cis Isomer (USP)

CAS Number : 774538-96-4

CAT Number : CP-M25007

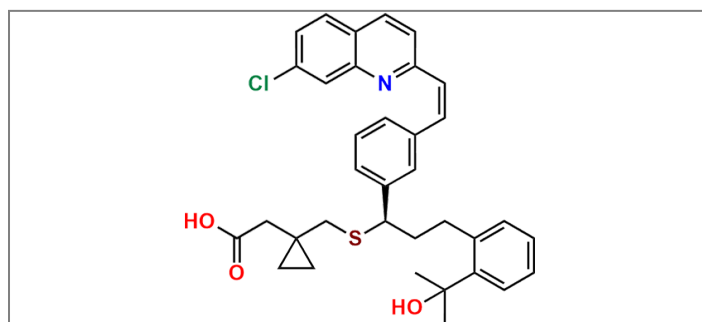
Molecular Formula : C<sub>35</sub>H<sub>36</sub>ClNO<sub>3</sub>S

Molecular Weight : 586.18

Batch Number : CHEM-MON-G

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	Green Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.58%
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.