CERTIFICATE OF ANALYSIS

(Certificate No. KMM006034-01)

Release Date: 29/06/2026 **Re-test Date:** 28/06/2029

Montelukast 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)

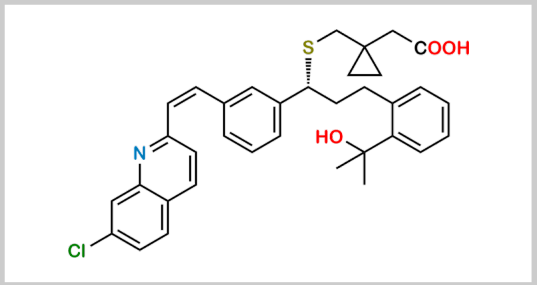
Alt. Name : Montelukast cis Isomer (USP)

CAT No. : KMM006034

CAS No. : 774538-96-4

Molecular Formula : C35H36ClNO3S

Molecular Weight : 586.2



Analytical Information

Batch No. : M006034-136-068

Description : Light Yellow Solid

HPLC Purity : 99.20 %

Weight Loss By TGA : 2.10 %

% Potency : 97.12 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

1H NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 2.10(Weight Loss By TGA)] x [99.20(HPLC Purity)]/100 = 97.12 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		29/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		29/06/2026

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA