

CERTIFICATE OF ANALYSIS

(Certificate No. KMM006027-01)

Release Date: 19/06/2026

Re-test Date: 18/06/2029

Montelukast Styrene Impurity

Identification

Chemical Name :

[1-[[[(1R)-1-[3-[(E)-2-(7-Chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(1-methylethenyl)phenyl]propyl]sulfanyl]methyl]cyclopropyl]acetic acid (as per EP);[1-[[[(1R)-1-[3-[(E)-2-(7-Chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(1-methylethenyl)phenyl]propyl]sulfanyl]methyl]cyclopropyl]acetic acid (as per USP)

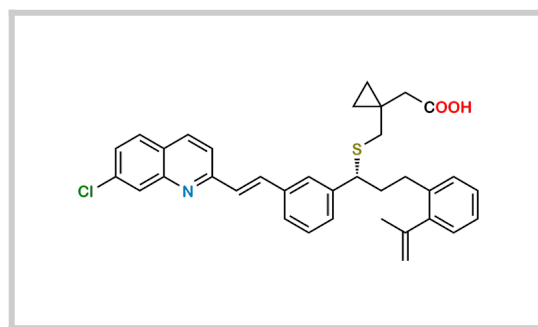
Alt. Name : Montelukast Methylstyrene (USP) ;
Montelukast Styrene

CAT No. : KMM006027

CAS No. : 918972-54-0

Molecular Formula : C₃₅H₃₄ClNO₂S

Molecular Weight : 568.2



Analytical Information

Batch No. : M006027-136-037

Description : Yellow Solid

HPLC Purity : 97.38 %

Weight Loss By TGA : 0.68 %

% Potency : 96.72 %

Solubility : DMSO

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 - 0.68(Weight Loss By TGA)] x [97.38(HPLC Purity)]/100 = 96.72 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		19/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		19/06/2026

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