

CERTIFICATE OF ANALYSIS

(Certificate No. KMM006028-01)

Release Date: 30/06/2026

Re-test Date: 29/06/2029

Montelukast Sulfoxide Impurity

Identification

Chemical Name :

[1-[[[1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]sulfinyl]methyl]cyclopropyl]acetic acid (as per EP)

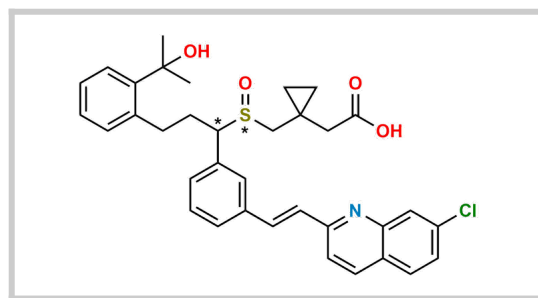
Alt. Name : Montelukast Sulfoxide

CAT No. : KMM006028

CAS No. : 909849-96-3

Molecular Formula : C₃₅H₃₆ClNO₄S

Molecular Weight : 602.2



Analytical Information

Batch No. : M006028-136-052

Description : Pale Yellow Solid

HPLC Purity : 96.04 %

Weight Loss By TGA : 1.22 %

% Potency : 94.87 %

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 - 1.22(Weight Loss By TGA)] x [96.04(HPLC Purity)]/100 = 94.87 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		30/06/2026
Reviewed & Approved By	Quality Control	Jatin Patel		30/06/2026

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