



CERTIFICATE OF ANALYSIS

20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

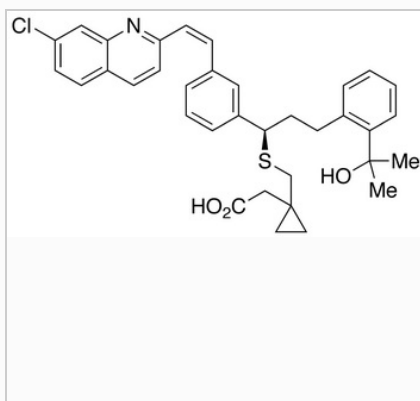
Catalogue Number: M568005

CAS Number: 774538-96-4

Product: cis-Montelukast

Synonym: 1-[[[(1R)-1-[3-[(1Z)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetic Acid; Montelukast Impurity G; Montelukast EP Impurity G; Montelukast USP Related Compound G; Montelukast cis Isomer

Structure:



Molecular Formula:

C₃₅H₃₆ClNO₃S

Molecular weight:

586.18

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Dichloromethane (Slightly),
Methanol (Slightly, Sonicated)

Lot Number: 9-URV-77-2

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Light Yellow Solid	Pale Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 70.01, %H: 6.25, %N: 2.39
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+71.7° (c = 0.2, Methanol)
HPLC Purity	Report Result	97.52% (210 nm)

Additional Information:

Contains: ~2.5% Acetic acid

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By
Swathi Reddy

Reviewed By
Toni Rantanen

C of A Approved By **Test Date**
Chanell Chu 2/11/2022

Retest Date
2/9/2026