



CERTIFICATE OF ANALYSIS

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1. Identification

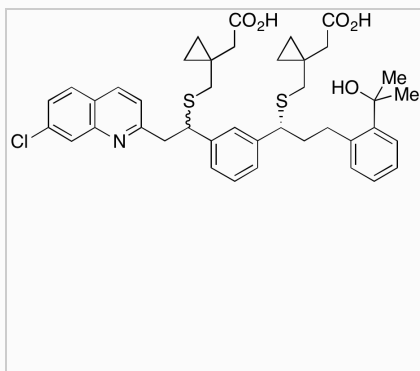
Catalogue Number: M567985

CAS Number: 1242260-05-4

Product: Montelukast Bis-sulfide (mixture of diastereomers)

Synonym: 1-[[[(1R)-1-[3-[(1R,S)-1-[[[1-(Carboxymethyl)cyclopropyl]methyl]thio]-2-(7-chloro-2-quinolinyl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetic Acid; Montelukast Michael Adduct

Structure:



Molecular Formula:

C₄₁H₄₆ClNO₅S₂

Molecular weight:

732.39

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 2-LIJ-64-5

Purity: 93%

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

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Light Yellow to Yellow Solid	Light Yellow Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
HPLC Purity	>93%	94.96% (230 nm)

Additional Information:

TLC Conditions: C18; Methanol : Water = 8 : 2; Visualized with UV and AMCS; Single Spot, R_f = 0.70. Contains: 1.6% Ethyl Acetate, 0.8% Hexanes

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
Eric Beaton

Reviewed By
Toni Rantanen

C of A Approved By **Test Date**
My Nguyen 1/21/2020

Retest Date
1/19/2027