



## CERTIFICATE OF ANALYSIS

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### 1. Identification

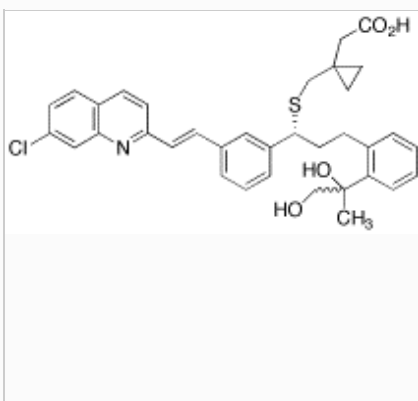
**Catalogue Number:** M568015

**CAS Number:** 186352-97-6

**Product:** Montelukast 1,2-Diol (Mixture of Diastereomers)

**Synonym:** 1-[1-[[[(1R)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1,2-diol-2-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetic; M6a,b;

**Structure:**



**Molecular Formula:**

C<sub>35</sub>H<sub>36</sub>ClNO<sub>4</sub>S

**Molecular weight:**

602.18

**Source of Product:**

Synthetic

**Solubility:**

Acetone (Slightly), Acetonitrile (Slightly), Ethyl Acetate (Slightly), Methanol

**Lot Number:** 1-FLI-103-2

**Purity:** 94%

**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:
HPLC Purity	Report Result	94.61% (210 nm)
NMR	Conforms to Structure	Conforms
Appearance	Light Yellow to Yellow Solid	Light Yellow Solid
MS	Conforms to Structure	Conforms

**Additional Information:**

N/A

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**  
Nicole Yip

**Reviewed By**  
Toni Rantanen

**C of A Approved By** **Test Date**  
Chanell Chu 1/14/2023

**Retest Date**  
1/12/2030