

CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

Date:

Montelukast Michael Adduct

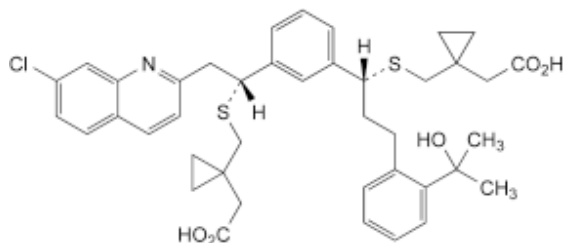
Catalogue NO.: VL510017

Batch No.

IUPAC Name.: 1-[[[(1R)-1-[3-[(1R)-1-[[[1-(carboxymethyl)cyclopropyl]methyl]sulfanyl]-2-(7-chloroquinolin-2-yl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl) phenyl] propyl] sulfanyl] methyl]cyclopropyl]acetic acid

OR

1-[[[(1R)-1-[3-[(1S)-1-[[[1-(carboxymethyl)cyclopropyl]methyl]sulfanyl]-2-(7-chloroquinolin-2-yl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl) phenyl] propyl] sulfanyl] methyl] cyclopropyl] acetic acid



Molecular Weight: 732.39 g/mol

Molecular Formula: C₄₁H₄₆ClNO₅S₂

| Sr.# | Test | Results | Data ref. |
|------|----------------|---------------------|-----------------------|
| 1 | Appearance | White solid Powder | ----- |
| 2 | Purity by HPLC | 48.87+44.09= 92.96% | Chromatogram attached |
| 3 | Mass | Conform | Report attached |
| 4 | NMR | Conform | Report attached |

Storage condition: Store at 2-8°C, protect from direct sunlight and moisture.

This certificate of analysis is valid for three years from date of manufacturing, provided the substance is stored under suitable conditions.

Manufacturing date:

Retest date:

Document data reference:

Prepared by

Reviewed by

Approved by