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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Montelukast EP Impurity D+E**

### Identification:

Chemical Name: 2-(1-(((R)-1-(3-((R)-1-(((1-(carboxymethyl)cyclopropyl)methyl)thio)-2-(7-chloroquinolin-2-yl)ethyl)phenyl)-3-(2-(2-hydroxypropan-2-yl)phenyl)propyl)thio)methyl)cyclopropyl)acetic acid compound with 2-(1-(((R)-1-(3-((S)-1-(((1-(carboxymethyl)cyclopropyl)methyl)thio)-2-(7-chloroquinolin-2-yl)ethyl)phenyl)-3-(2-(2-hydroxypropan-2-yl)phenyl)propyl)thio)methyl)cyclopropyl)acetic acid (1:1)

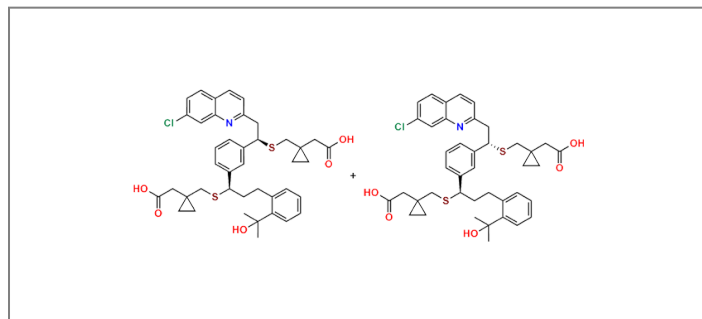
Synonyms : Montelukast Bis-Sulfide

CAS Number : 1242260-05-4

CAT Number : CP-M25011

Molecular Formula : C<sub>41</sub>H<sub>46</sub>ClNO<sub>5</sub>S<sub>2</sub>

Molecular Weight : 732.39



Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



**Prepared and Reviewed By**



Mr. Shubham Bondre  
(Quality Control)

**Approved By**



Mr. Abhijit Kale  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.