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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Montelukast EP Impurity A**

### Identification:

Chemical Name: Sodium 1-[[[(1S)-1-[3-[(1E)-2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]sulfanyl]methyl]cyclopropyl]acetate (as per EP)

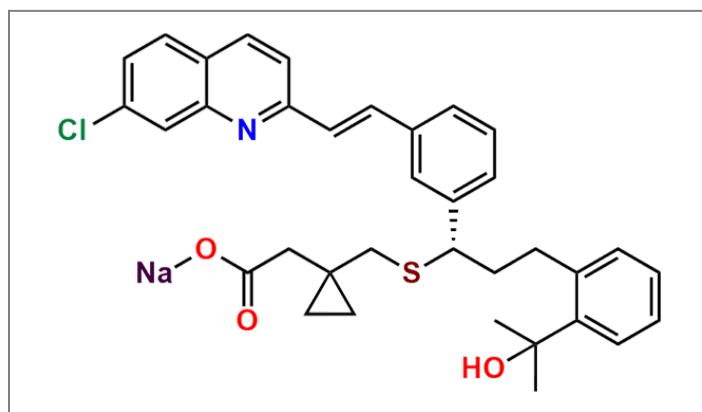
Synonyms : (S)-Montelukast ; ent-  
Montelukast Sodium Salt  
Montelukast S-Enantiomer  
Sodium Salt

CAS Number : 190078-45-6

CAT Number : CP-M25001

Molecular Formula : C<sub>35</sub>H<sub>35</sub>ClNNaO<sub>3</sub>S

Molecular Weight : 608.17



### 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)	H1NMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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