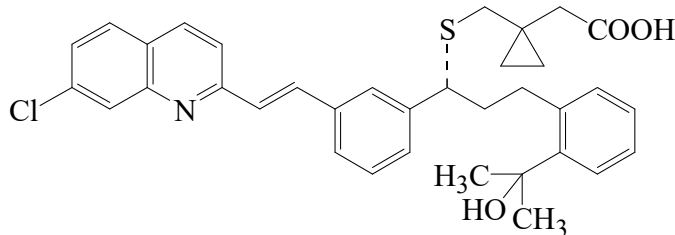




>>Entry Name: Montelukast, BAN, INN

Synonym(s): 1-[[[1-[3-[2-(7-Chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]cyclopropaneacetic acid, 9Cl



CAS Registry Number: 142522-28-9

Related CAS Registry Numbers(s): 142522-81-4 158966-92-8

Molecular Formula: C₃₅H₃₆ClNO₃S

Molecular Weight: 586.193

Accurate Mass: 585.210441

Percentage Composition: C 71.71%; H 6.19%; Cl 6.05%; N 2.39%; O 8.19%; S 5.47%

Biological Use/Importance: Leukotriene LTD₄ receptor antagonist. Antiasthmatic agent

Development Status: Marketed drug. Launched in Finland and Mexico (1998). Worldwide 51st best selling prescription drug (as Singulair) (\$0.86 bn) (Merck) (2000, PharmaBusiness)

>>Variant: (R)-(E)-form

CAS Registry Number: 158966-92-8

Molecular Formula: C₃₅H₃₆ClNO₃S

Molecular Weight: 586.193

Accurate Mass: 585.210441

Percentage Composition: C 71.71%; H 6.19%; Cl 6.05%; N 2.39%; O 8.19%; S 5.47%

>>Derivative: Na salt

Synonym(s): Montelukast sodium, USAN. Singulair. MK 0476

CAS Registry Number: 151767-02-1

Physical Description: Light sensitive solid + 1H₂O

References:

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