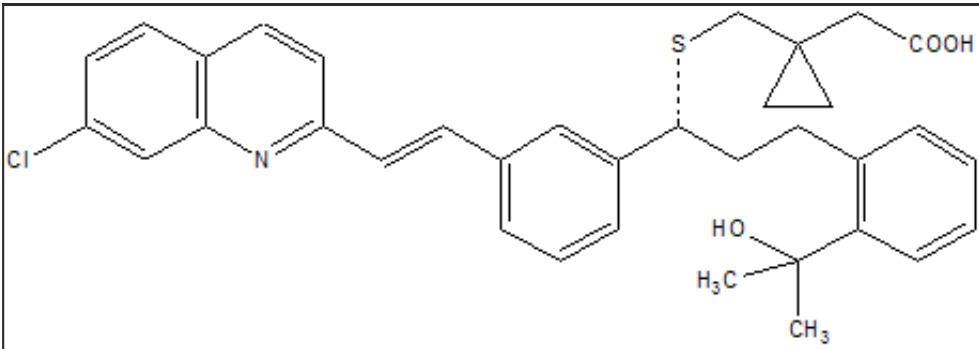


## Records found: 1

Compound: Montelukast							
							
CAS:		158966-92-8					
Category:		Respiratory Agents					
Subcategory:		Leukotriene Receptor Antagonists					
Formula:		C35 H36 Cl N O3 S					
Molecular Weight:		586.2					
SMILES:		OC(=O)CC1(CC1)CS[C@H](CCC1=CC=CC=C1C(O)(C)C)C1=CC=CC(\C=C\C2=NC3=C(C=CC(Cl)=C3)C=C2)=C1>					
pKa:		5.7					
Low est Solubility (mg/ml):		100.0					
Human Permeability (x 10 <sup>4</sup> cm/s):		N/A					
cLogP (BioLoom 5.0):	8.33	HIGH Permeability					
logP:	7.9	HIGH Permeability					
Country List:	Minimum Dose (mg)	Maximum Dose (mg)	Do (min)**	Do (max)**	Solubility	BCS Class (cLogP)	BCS Class (logP)
JP	5.0	10.0	3.3333333E-4	6.6666666E-4	HIGH	Class I	Class I
SP	4.0	10.0	1.6E-4	4.0E-4	HIGH	Class I	Class I
US	4.0	10.0	1.6E-4	4.0E-4	HIGH	Class I	Class I
UK	4.0	10.0	1.6E-4	4.0E-4	HIGH	Class I	Class I

\*\* A volume of 250 mL is used for the drugs on the US, UK, SP, KOR, and WHO lists, and a volume of 150 mL is used for drugs on the JP list.