

General Properties

International nonproprietary name (INN)
Montelukast sodium

IUPAC name

sodium;2-[1-[[[(1R)-1-[3-[(E)-2-(7-chloroquinolin-2-yl)ethenyl]phenyl]-3-[2-(2-hydroxypropan-2-yl)phenyl]propyl]sulfanylmethyl]cyclopropyl]acetate

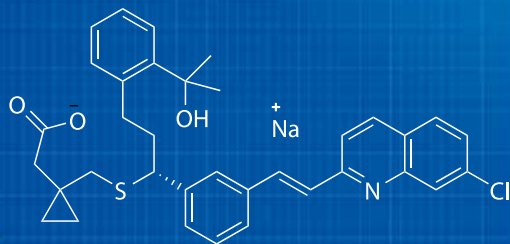
Cas registry No.

151767-02-1

indication

Leukotriene CysLT1 receptor antagonist;
treatment of asthma

structure



Montelukast sodium (BP.EP)

Physical form and appearance White or almost white hygroscopic powder

Physical state solid

Form powder

Molecular weight 608

Molecular formula $C_{35}H_{35}ClNaO_3S$

Identification Infrared

Solubility Freely soluble in water and in methylene chloride, freely soluble to very soluble in ethanol 96%.

Storage Preserve in tight, light-resistant containers. Store at room temperature.

