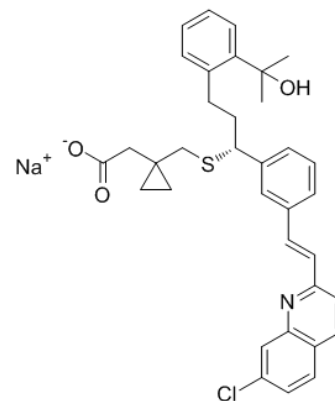


Product Name : Montelukast sodium
Cat. No. : PC-43487
CAS No. : 151767-02-1
Molecular Formula : C₃₅H₃₅ClNNaO₃S
Molecular Weight :
Target : Leukotriene Receptor
Solubility : H₂O: ≥ 70 mg/mL



Biological Activity

Montelukast sodium (MK0476, MK-0476) is a potent, selective, orally active **leukotriene D4 receptor (LTD4)** antagonist with K_i of 0.18 nM for guinea pig lung LTD₄.

Montelukast sodium (MK0476) shows no significant affinity for leukotriene C₄ and leukotriene B₄ receptors.

Montelukast sodium (MK0476) is a potent and competitive antagonist of leukotriene D₄-induced contractions of non-tonal guinea-pig trachea with pA₂ of 9.3.

Montelukast sodium (MK0476) antagonizes bronchoconstriction induced in anesthetized guinea pigs by i.v. leukotriene D₄, blocks leukotriene D₄ induced bronchoconstriction in vivo.

References

Jones TR, et al. *Can J Physiol Pharmacol*. 1995 Feb;73(2):191-201.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com