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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Montelukast Sodium

Leukotriene CysLT1 antagonist
Catalog No. SIH-538



Discovery through partnership | Excellence through quality

Overview

Product Name

Montelukast sodium

Description

Leukotriene CysLT1 antagonist

Purity

>98% (HPLC); NMR (conforms)

CAS No.

151767-02-1

Molecular Formula

C₁₇H₁₅ClNO₃ Na

Molecular Weight

608.2

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Antagonist

Solubility

Soluble in DMSO (50 mg/ml), or water (30 mg/ml), or ethanol (60 mg/ml)

Source

Synthetic

Appearance

Powder

SMILES

CC(C)(O)C(C=CC=C1)=C1CC[C@H](SCC2(CC2)CC([O-])=O)C3=CC(/C=C/C4=NC5=CC(Cl)=CC=C5C=C4)=CC=C3.[Na+]

InChI

1S/C35H36ClNO3S.Na/c1-34(2,40)30-9-4-3-7-25(30)13-17-32(41-23-35(18-19-35)22-33(38)39)27-8-5-6-24(20-27)10-15-29-16-12-26-11-1

InChIKey

LBFBRXGCXUHRJY-YBGTYPRZSA-M

Safety Phrases

Classification:

D2A Very Toxic Material Causing Other Toxic Effects - Reproductive hazard

E Corrosive Material - Corrosive to skin

Hazard statement(s):

H318 Causes serious eye damage.

H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

Precautionary statement(s):

P280 Wear protective gloves/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Cite This Product

Montelukast sodium (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-538)

Biological Description

Alternative Names

1-[[[(1R)-1-[3-(1E)-2-(7-chloro-2-quinolinyl)ethenyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]-methyl]-cyclopropaneacetic acid, monosodium salt, Montelukast sodium, Montelukast monosodium salt, MK-0476, MK-476, KS-1087

Research Areas

Immunology, Innate Immunity, Macrophage

PubChem ID

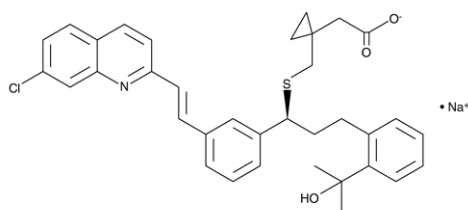
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Scientific Background

Montelukast is a cysteinyl leukotriene receptor 1 (CysLT1) antagonist. It blocks pentylenetetrazole-induced seizures, blood brain barrier disruption and leukocyte migration in mice.

Product Images

Chemical structure of Montelukast sodium (SIH-538), a Leukotriene CysLT1 antagonist. CAS #: 151767-02-1. Molecular Formula: C₃₅H₃₅CINO₃S Na. Molecular Weight: 608.2 g/mol.



Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.