



# SZABO SCANDIC

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## Produktinformation



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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# PRODUCT INFORMATION



## Dihydro Montelukast

Item No. 22374

**CAS Registry No.:** 142147-67-9  
**Formal Name:** 1-[[[(1R)-1-[3-[2-(7-chloro-2-quinolinyl)ethyl]phenyl]-3-[2-(1-hydroxy-1-methylethyl)phenyl]propyl]thio]methyl]-cyclopropaneacetic acid

**MF:** C<sub>35</sub>H<sub>38</sub>ClNO<sub>3</sub>S

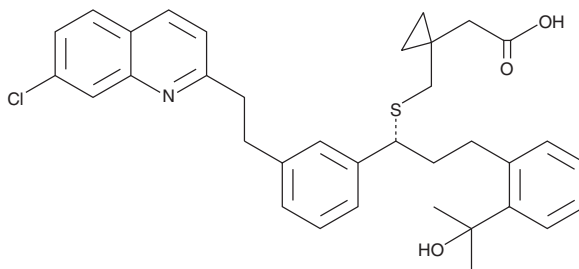
**FW:** 588.2

**Purity:** ≥98%

**Supplied as:** A solid

**Storage:** -20°C

**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

### Description

Dihydro montelukast is a potential impurity found in commercial montelukast preparations. Montelukast (sodium salt) (Item No. 10008318) is a potent and selective cysteinyl leukotriene 1 (CysLT<sub>1</sub>) receptor antagonist. Formulations containing montelukast are used for the treatment of asthma as well as for the symptoms associated with allergic rhinitis.<sup>1-4</sup>

### References

1. Leff, J. A., Busse, W. W., Pearlman, D., *et al.* Montelukast, a leukotriene-receptor antagonist, for the treatment of mild asthma and exercise-induced bronchoconstriction. *N. Engl. J. Med.* **339**(3), 147-152 (1998).
2. Reiss, T. F., Chervinsky, P., Dockhorn, R. J., *et al.* Montelukast, a once-daily leukotriene receptor antagonist, in the treatment of chronic asthma. A multicenter, randomized, double-blind trial. *Arch. Intern. Med.* **158**(11), 1213-1220 (1998).
3. Reiss, T. F., Altman, L. C., Chervinsky, P., *et al.* Effects of montelukast (MK-0476), a new potent cysteinyl leukotriene (LTD<sub>4</sub>) receptor antagonist, in patients with chronic asthma. *J. Allergy Clin. Immunol.* **98**(3), 528-534 (1996).
4. Peters-Golden, M. and Henderson, W.R. The role of leukotrienes in allergic rhinitis. *Ann. Allergy Asthma Immunol.* **94**(6), 609-618 (2005).

#### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

#### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

#### WARRANTY AND LIMITATION OF REMEDY

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