

Product Data Sheet

Product Name: Ablukast
Cat. No.: GC64356

Chemical Properties

Cas. No. 96566-25-5

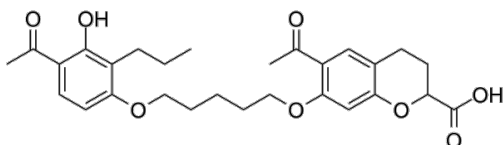
Formula C₂₈H₃₄O₈ M.Wt 498.56

Solubility DMSO : 100 mg/mL (200.58 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Ablukast (Ro 23-3544) is a specific and active leukotriene receptor antagonist. Ablukast effectively reduces LTC₄- and antigen-induced bronchoconstriction[1][2]. Ablukast is LTD₄ receptor antagonist[3].

Ablukast (Ro 23-3544) is tested for its efficacy in modulating dinitrofluorobenzene (DNFB)-induced allergic and croton oil-induced irritant contact dermatitis in mouse ears. Treatment shortly after elicitation of the dermatitis, and for up to 5 days thereafter, was moderately effective in suppressing

Caution: Product has not been fully validated for medical applications. For research use only.

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DNFB-induced ear swelling in a dose-dependent fashion. Daily pre-treatment of the ears for 1 week causes a more marked reduction of DNFB-induced ear swelling during the first 48 h after elicitation[2].

Ablukast (Ro 23-3544) is tested for its efficacy in modulating dinitrofluorobenzene (DNFB)-induced allergic and croton oil-induced irritant contact dermatitis in mouse ears. Treatment shortly after elicitation of the dermatitis, and for up to 5 days thereafter, was moderately effective in suppressing DNFB-induced ear swelling in a dose-dependent fashion. Daily pre-treatment of the ears for 1 week causes a more marked reduction of DNFB-induced ear swelling during the first 48 h after elicitation[2].

[1]. M O'Donnell, et al. Pharmacological profile of Ro 23-3544, a new aerosol active leukotriene receptor antagonist. Adv Prostaglandin Thromboxane Leukot Res. 1987;17A:512-8.

[2]. T Rosenbach, et al. Studies on the role of leukotrienes in murine allergic and irritant contact dermatitis. Br J Dermatol. 1988 Jan;118(1):1-6.

[3]. Hans-Michael Eggenweiler, et al. Pyrrolopyrimidines as phosphodiesterase VII inhibitors. US7498334B2.

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