
Product Data Sheet

Product Name: RS-601
Cat. No.: GC31837

Chemical Properties

Cas. No. 207987-59-5

SMILES O=C(O)CCCC1=CC=C(C(NS(=O))(C2=CC=C(F)C=C2)=O)CCCC(F)(F)C(F)(F)C=C1

Formula C₂₂H₂₃F₆NO₄S M.Wt 511.48

Solubility Soluble in DMSO 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

RS-601 is a novel leukotriene D4 (LTD4)/thromboxane A2 (TxA2) dual receptor antagonist, with antiasthmatic activities.

RS-601 (1-10 mg/kg) clearly inhibits the bronchoconstriction induced by intravenous administration of U-46619 and LTD4 in a dose-dependent fashion in guinea pigs. RS-1452 (10 mg/kg) significantly inhibits U-46619-induced bronchoconstriction, respectively. RS-601 significantly inhibits the late-phase response and LPS-induced AHR at a dose of 10 mg/kg, but does not affect biphasic bronchial responses. RS-601 (3 and 10 mg/kg) also clearly inhibits the AHR[1].

[1]. Yamada T, et al. Effects of RS-601, a novel leukotriene D(4)/thromboxane A(2) dual receptor antagonist, on asthmatic responses in guinea pigs. Pharmacology. 2003 Sep;69(1):51-8.

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

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