

Product Data Sheet

Product Name: LAS191859

Cat. No.: GC44035

Chemical Properties

Cas. No. 1420071-13-1

SMILES CCN(C(C1CC1)=O)CC2=CC(C(F)(F)F)=CC=C2N3C=C(CC(O)=O)C4=C3N=C(C)C=C4

Formula C₂₄H₂₄F₃N₃O₃

M.Wt 459.5

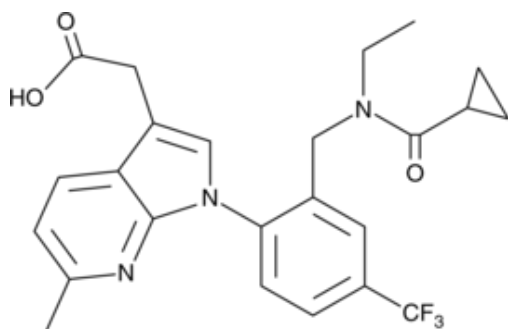
Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, DMSO:PBS (pH 7.2) (1:2): 0.33 mg/ml, Ethanol: 2.5 mg/ml

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

LAS191859 is a potent antagonist of CRTH2/DP2 with IC₅₀ values of 9.58, 14, 15.5, and 7.6 nM for recombinant human, rat, mouse, and guinea pig CRTH2/DP2 receptors, respectively. It is selective

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

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for CRTH2/DP2 over a panel of 65 enzymes, ion channels, and transporters with <25% inhibition for all targets when tested at a concentration of 10 μ M. LAS191859 reduces shape change of eosinophils (IC_{50} s = 2 and 8.2 nM in isolated eosinophils and whole blood, respectively) and eosinophil chemotaxis (IC_{50} = 1.3 nM) induced by prostaglandin D2 binding to CRTH2/DP2. Oral administration of LAS191859 reduces PGD2-induced systemic eosinophilia in guinea pigs (ID_{50} = 131 μ g/kg).

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