

Product Data Sheet

Product Name: CCG-232601

Cat. No.: GC43212

Chemical Properties

Cas. No. 1922099-21-5

SMILES O=C(N1CC(F)(F)CC(C(NC2=CC=C(Cl)C=C2)=O)C1)C3=CC(C4=CC=NC=C4)=CC=C3

Formula C₂₄H₂₀ClF₂N₃O₂

M.Wt 455.9

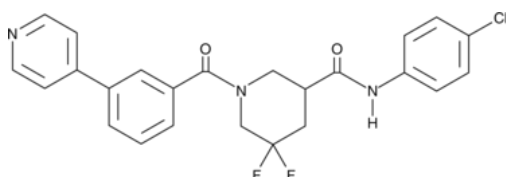
Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, DMSO:PBS(pH 7.2) (1:3): 0.25 mg/ml

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

CCG-232601 is an inhibitor of the Rho/MRTF/SRF transcriptional pathway and a derivative of CCG-203971. CCG-232601 inhibits MRTF-dependent transcription in HEK293T cells (IC₅₀ = 0.55 μM in a luciferase reporter assay). It also reduces expression of α-smooth muscle actin (α-SMA) in TGF-β-stimulated human dermal fibroblasts to 31% of control when used at a concentration of 10 μM. CCG-232601 (50 mg/kg) inhibits increases in dermal thickness and hydroxyproline content in a mouse model of dermal fibrosis induced by bleomycin.

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

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