
Product Data Sheet

Product Name: LCB 03-0110 dihydrochloride

Cat. No.: GC50214

Chemical Properties

Cas. No. 1962928-28-4

SMILES OC1=CC=CC(NC2=CC=NC3=C2SC(C4=CC=CC(CN5CCOCC5)=C4)=C3)=C1.Cl.Cl

Formula $C_{24}H_{23}N_3O_2S \cdot 2HCl$ M.Wt 490.45

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

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

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

Structure

Background

Potent c-Src kinase inhibitor ($IC_{50} = 1.3$ nM). Also potent inhibitor of discoidin domain receptor 2 (DDR2) family tyrosine kinases, BTK and Syk. Suppresses LPS-induced activation of macrophages and TGF- β 1-induced activation of fibroblasts in vitro. Also inhibits activation of macrophages and fibroblasts and suppresses scar formation in a wound healing model.

Sun et al (2012) LCB 03-0110, a novel pan-discoidin domain receptor/c-Src family tyrosine kinase inhibitor, suppresses scar formation by inhibiting fibroblast and macrophage activation. J.Pharmacol.Exp.Ther. 340 510 PMID:22128347

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

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