

Product Data Sheet

Product Name: MM-206
Cat. No.: GC44227

Chemical Properties

Cas. No. 1809581-87-0

SMILES OC(C(C=CC=C1)=C1C(NS(C2=C(F)C(F)=C(F)C(F)=C2F))(=O)=O)=C3)=C3SC4=CC=CC=C4

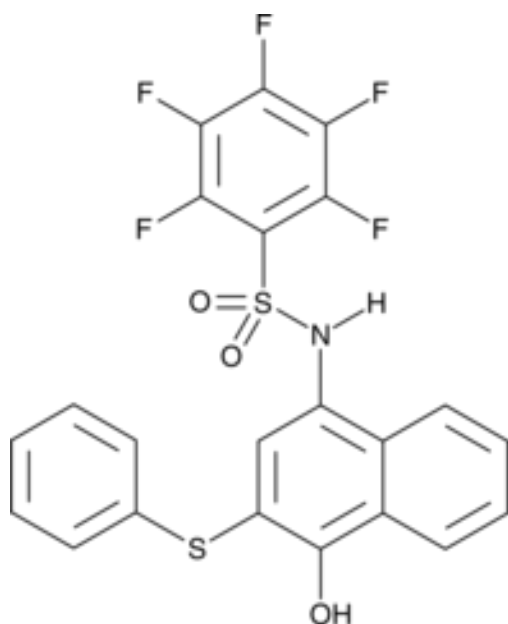
Formula C₂₂H₁₂F₅NO₃S₂ M.Wt 497.5

Solubility DMF: 25 mg/ml, DMF:PBS (pH 7.2) (1:8): 0.11 mg/ml, DMSO: 16 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

MM-206 is an inhibitor of STAT3 (IC₅₀ = 1.16 μM in an SPR-based competitive assay). It inhibits STAT3 phosphorylation induced by granulocyte colony-stimulating factor (G-CSF) in HL-60, Kasumi-

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

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1, and MOLM-13 acute myeloid leukemia (AML) cells (IC₅₀s = 0.8, 1.9, and 1.1 μ M, respectively). MM-206 induces apoptosis more potently in AML cell lines and patient-derived primary AML tumor cells than in acute lymphoblastic leukemia cells, which do not have upregulated STAT3 activity. It also slows disease progression and improves survival in an AML mouse xenograft model when administered at a dose of 30 mg/kg per day.

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