
Product Data Sheet

Product Name: SP 100030

Cat. No.: GC50139

Chemical Properties

Cas. No. 154563-54-9

SMILES O=C(NC2=CC(C(F)(F)F)=CC(C(F)(F)F)=C2)C1=C(C(F)(F)F)N=C(Cl)N=C1

Formula C14H5ClF9N3O M.Wt 437.65

Solubility DMSO : 50 mg/mL (114.25 mM; Need ultrasonic) 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

Potent dual inhibitor of NF- κ B and AP-1 transcriptional activity (IC₅₀ = 50 nM). Blocks production of IL-2, IL-8 and TNF- α from Jurkat T cells. Inhibits cytokine production selectively in T cells; exhibits minimal inhibition of cytokine production in other cell types. Decreases arthritic severity in a mouse model of collagen-induced arthritis. Also ameliorates muscle wasting in a rat model of cancer cachexia.

Gerlag et al (2000) The effect of a T cell-specific NF- κ B inhibitor on in vitro cytokine production and collagen-induced arthritis J.Immunol. 165 1652 PMID:10903776 |Sullivan et al (1998) 2-Chloro-4-(trifluoromethyl)pyrimidine-5-N-(3',5'- bis(trifluoromethyl)phenyl)-carboxamide: a potent inhibitor of NF- κ B- and AP-1-mediated gene expression identified using solution-phase combinatorial ch J.Med.Chem. 41 413 PMID:9484492 |Moore-Carrasco et al (2007) The AP-1/NF- κ B double inhibitor SP100030 can revert muscle wasting during experimental cancer cachexia. Int.J.Oncol. 30 1239 PMID:17390027

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

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