

PP58

Chemical Properties

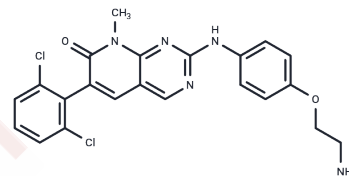
CAS No. : 212391-58-7

Formula: C₂₂H₁₉Cl₂N₅O₂

Molecular Weight: 456.32

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	PP58 is an inhibitor of PDGFR, FGFR and Src family.
Targets(IC50)	FGFR,p38 MAPK,PDGFR,Src,TNF
In vitro	PP58 inhibits anisomycin-activated p38 in a dose-dependent manner with an IC ₅₀ < 10 nM. LPS-stimulated TNF-α production is potently inhibited by PP58 with a cellular IC ₅₀ value of 3 nM[1].
In vivo	PP58 exhibits some degree of selectivity in vivo[1].

Solubility Information

Solubility	DMSO: 56.3 mg/mL (123.3 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1914 mL	10.9572 mL	21.9144 mL
5 mM	0.4383 mL	2.1914 mL	4.3829 mL
10 mM	0.2191 mL	1.0957 mL	2.1914 mL
50 mM	0.0438 mL	0.2191 mL	0.4383 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wissing J, et al. Chemical Proteomic Analysis Reveals Alternative Modes of Action for Pyrido[2,3-d]pyrimidine Kinase Inhibitors. Mol Cell Proteomics. 2004 Dec;3(12):1181-93.

Blencke S, et al. Characterization of a conserved structural determinant controlling protein kinase sensitivity to selective inhibitors. Chem Biol. 2004 May;11(5):691-701.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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