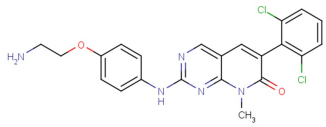
Data Sheet (Cat.No.T13824)

PP58

Chemical Properties



CAS No.:	212391-58-7
Formula:	C22H19Cl2N5O2
Molecular Weight:	456.32
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	PP58 is an inhibit of PDGFR, FGFR and Src family.
Targets(IC_{50})	PDGFR: None
In vitro	PP58 inhibits anisomycin activated p38 in a dose-dependent manner with an IC50 below 10 nM. LPS-stimulated TNF-α production is potently inhibited by PP58 with a cellular IC50 value of around 3 nM[1].
In vivo	PP58 can exhibit some degree of selectivity in vivo[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.191 mL	10.957 mL	21.914 mL
5 mM	0.438 mL	2.191 mL	4.383 mL
10 mM	0.219 mL	1.096 mL	2.191 mL
50 mM	0.044 mL	0.219 mL	0.438 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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.

2. 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.

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