

PD 180970

Chemical Properties

CAS No.:	287204-45-9
Formula:	C ₂₁ H ₁₅ Cl ₂ FN ₄ O
Molecular Weight:	429.27
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	PD 180970 is an ATP-competitive inhibitor of p210bcr/abl tyrosine kinase. PD 180970 also selectively induces apoptosis in chronic myeloid leukemia (CML) K562 cells.
In vivo	PD 180970 inhibits in vivo tyrosine phosphorylation of Gab2, CrkL and p210bcr/abl (IC ₅₀ : 80, 80 and 170 nM respectively).

Solubility Information

Solubility	DMSO: <21.46mg/ml (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.33 mL	11.648 mL	23.295 mL
5 mM	0.466 mL	2.33 mL	4.659 mL
10 mM	0.233 mL	1.165 mL	2.33 mL
50 mM	0.047 mL	0.233 mL	0.466 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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