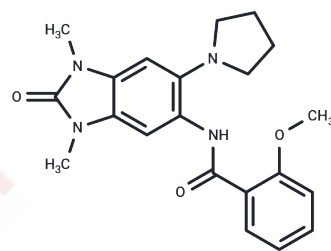


PFI-4

Chemical Properties

CAS No. :	900305-37-5
Formula:	C ₂₁ H ₂₄ N ₄ O ₃
Molecular Weight:	380.44
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	PFI-4 is a potent and selective and cell-permeable BRPF1 bromodomain inhibitor.
Targets(IC50)	Epigenetic Reader Domain
In vitro	PFI-4 is cell permeable, and acts by displacing the BRPF1 bromodomain from Histone H3.3. [1]

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 14 mg/mL (36.8 mM), Sonication is recommended. Ethanol: 5 mg/mL (13.14 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	2.6285 mL	13.1427 mL	26.2854 mL
5 mM	0.5257 mL	2.6285 mL	5.2571 mL
10 mM	0.2629 mL	1.3143 mL	2.6285 mL
50 mM	0.0526 mL	0.2629 mL	0.5257 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

Demont EH, et al. ACS Med Chem Lett. 2014, 5(11), 1190-1195.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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