

PFI-3

Chemical Properties

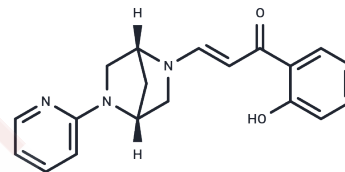
CAS No. : 1819363-80-8

Formula: C₁₉H₁₉N₃O₂

Molecular Weight: 321.37

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PFI-3 is a selective chemical inhibitor for SMARCA (2/4) (K _d = 89 nM) and PBI (5) bromodomains which may result in the delay and prevention of breast cancer.
Targets(IC ₅₀)	Epigenetic Reader Domain
In vitro	PFI-3 shows a significant selectivity for PB1(5) and SMARCA2/4 over 36 other tested kinases. [1]

Solubility Information

Solubility	DMSO: 32.1 mg/mL (99.88 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.22 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1117 mL	15.5584 mL	31.1168 mL
5 mM	0.6223 mL	3.1117 mL	6.2234 mL
10 mM	0.3112 mL	1.5558 mL	3.1117 mL
50 mM	0.0622 mL	0.3112 mL	0.6223 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Structural Genomics Consortium (SGC).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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