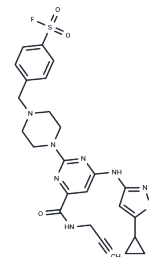


PF-6808472

Chemical Properties

CAS No. : 2088112-70-1
 Formula: C₂₅H₂₇N₈O₃S
 Molecular Weight: 538.6
 Storage: Store at low temperature
 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	PF-6808472 is a cell-permeable covalent kinase probe that reacts with conserved lysine residues within the ATP-binding site of kinases, thereby binding to and labelling multiple kinases such as CDK1/2/4.
Targets(IC50)	Others,CDK

Solubility Information

Solubility	DMSO: 80 mg/mL (148.53 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: 5 mg/mL (9.28 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	1.8567 mL	9.2833 mL	18.5667 mL
5 mM	0.3713 mL	1.8567 mL	3.7133 mL
10 mM	0.1857 mL	0.9283 mL	1.8567 mL
50 mM	0.0371 mL	0.1857 mL	0.3713 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

Kevin D Freeman-Cook, et al. Discovery of PF-06873600, a CDK2/4/6 Inhibitor for the Treatment of Cancer. J Med Chem. 2021 Jul 8;64(13):9056-9077.

Guiley KZ, et al. p27 allosterically activates cyclin-dependent kinase 4 and antagonizes palbociclib inhibition. Science. 2019 Dec 13;366(6471):eaaw2106.

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