

PF07104091

Chemical Properties

CAS No. : 2460249-19-6

Formula: C19H28N6O4

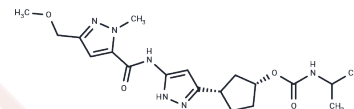
Molecular Weight: 404.46

Storage:

Store at low temperature, Keep away from direct sunlight, Keep away from moisture

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	PF07104091 inhibits CDK2, which may lead to cell cycle arrest, induce apoptosis and inhibit tumor cell proliferation.[1]
Targets(IC50)	CDK
In vitro	PF-07104091 hydrate (Example 13) inhibits CDK1/cyclin A2, CDK4/cyclin D1, CDK6/cyclin D3 and CDK9, with Kis of 110, 238, 465 and 117 nM.[1] METHODS: We explored whether CDK2 activity could be completely abolished by pharmacological treatment with supraphysiological doses of PF3600 (10 μ M) or PF4091 (20 μ M). RESULTS We observed an immediate collapse of the DHB reporter signal below the mitotic nadir, without a hump. [2]

Solubility Information

Solubility	DMSO: 55 mg/mL (135.98 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---------------------------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4724 mL	12.3622 mL	24.7243 mL
5 mM	0.4945 mL	2.4724 mL	4.9449 mL
10 mM	0.2472 mL	1.2362 mL	2.4724 mL
50 mM	0.0494 mL	0.2472 mL	0.4945 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

Douglas Carl BEHENNA, et al. Cdk2 inhibitors. WO2020157652A2.

Arora M, et al. Rapid adaptation to CDK2 inhibition exposes intrinsic cell-cycle plasticity. Cell. 2023 Jun 8;186(12):2628-2643.e21.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481