

PF-05236216

## Chemical Properties

CAS No. : 1383376-93-9

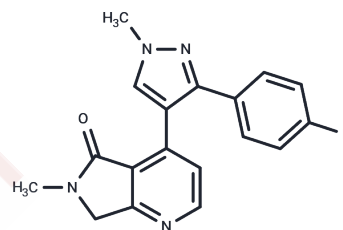
Formula: C<sub>18</sub>H<sub>15</sub>N<sub>4</sub>O

Molecular Weight: 322.34

Store at low temperature

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	PF-05236216 is a potent, selective, and brain-penetrant inhibitor of casein kinase 1 delta/epsilon (CK1δ/ε), and it modulates circadian rhythms in mice.
Targets(IC50)	Casein Kinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1023 mL	15.5116 mL	31.0231 mL
5 mM	0.6205 mL	3.1023 mL	6.2046 mL
10 mM	0.3102 mL	1.5512 mL	3.1023 mL
50 mM	0.062 mL	0.3102 mL	0.6205 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

Mente S, et al. Ligand-protein interactions of selective casein kinase 1δ inhibitors. J Med Chem. 2013 Sep 12;56(17):6819-28.

Wager TT, et al. Identification and Profiling of a Selective and Brain Penetrant Radioligand for in Vivo Target Occupancy Measurement of Casein Kinase 1 (CK1) Inhibitors. ACS Chem Neurosci. 2017 Sep 20;8(9):1995-2004.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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