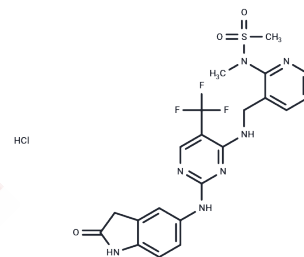


## PF-562271 hydrochloride

## Chemical Properties

CAS No. :	939791-41-0
Formula:	C <sub>21</sub> H <sub>20</sub> F <sub>3</sub> N <sub>7</sub> O <sub>3</sub> HCl
Molecular Weight:	543.95
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-562271 hydrochloride (PF-562271 HCl) is a potent, ATP-competitive, reversible inhibitor of FAK with IC <sub>50</sub> of 1.5 nM in cell-free assays, ~10-fold less potent for Pyk2 than FAK and >100-fold selectivity against other protein kinases, except for some CDKs.
Targets(IC <sub>50</sub> )	FAK, PYK2, CDK

## Solubility Information

Solubility	DMSO: 91 mg/mL (167.29 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	1.8384 mL	9.192 mL	18.384 mL
5 mM	0.3677 mL	1.8384 mL	3.6768 mL
10 mM	0.1838 mL	0.9192 mL	1.8384 mL
50 mM	0.0368 mL	0.1838 mL	0.3677 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

- Roberts WG, et al. Cancer Res, 2008, 68(6), 1935-1944.  
Lim ST, et al. Cell Cycle, 2008, 7(15), 2306-2314.

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