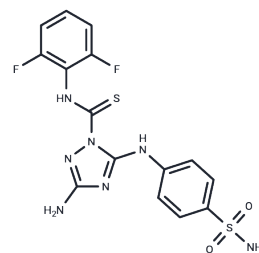


## Cdk1/2 Inhibitor III

## Chemical Properties

CAS No. :	443798-55-8
Formula:	C <sub>15</sub> H <sub>13</sub> F <sub>2</sub> N <sub>7</sub> O <sub>2</sub> S <sub>2</sub>
Molecular Weight:	425.44
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	Cdk1/2 Inhibitor III is a selective inhibitor of Cdk1/2 with an IC <sub>50</sub> value of 2.1 μM against CDK1/cyclin B.
Targets(IC <sub>50</sub> )	CDK
In vitro	Cdk1/2 Inhibitor III exhibits weak CDK1 inhibition and possesses cellular antiproliferative properties.[1]

## Solubility Information

Solubility	DMSO: 45 mg/mL (105.77 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	2.3505 mL	11.7525 mL	23.5051 mL
5 mM	0.4701 mL	2.3505 mL	4.701 mL
10 mM	0.2351 mL	1.1753 mL	2.3505 mL
50 mM	0.047 mL	0.2351 mL	0.4701 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

Lin R, et al. Acyl-1H-[1,2,4]triazole-3,5-diamine analogues as novel and potent anticancer cyclin-dependent kinase inhibitors: synthesis and evaluation of biological activities. J Med Chem. 2005 ; 48(13):4208-4211.

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