

Cdk1/2 Inhibitor III

Chemical Properties

CAS No.:	443798-55-8
Formula:	C ₁₅ H ₁₃ F ₂ N ₇ O ₂ S ₂
Molecular Weight:	425.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Cdk1/2 Inhibitor III is a selective Cdk1/2 inhibitor (IC ₅₀ : 2.1 µM for CDK1/cyclin B).
Targets(IC ₅₀)	Cdk1/cyclin B: 2.1 µM
In vitro	Cdk1/2 Inhibitor III has weak CDK1. It also has cellular antiproliferative potencies[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.351 mL	11.753 mL	23.505 mL
5 mM	0.47 mL	2.351 mL	4.701 mL
10 mM	0.235 mL	1.175 mL	2.351 mL
50 mM	0.047 mL	0.235 mL	0.47 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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 Jun 30;48(13):4208-11.

Inhibitors · Natural Compounds · Compound Libraries

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