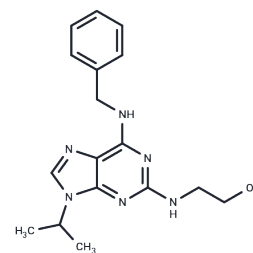


## 9-Isopropylolomoucine

## Chemical Properties

CAS No. :	158982-15-1
Formula:	C <sub>17</sub> H <sub>22</sub> N <sub>6</sub> O
Molecular Weight:	326.4
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	9-Isopropylolomoucine (N9-Isopropylolomoucine), a cell cycle protein-dependent kinase inhibitor, is a thiopurine.
Targets(IC50)	CDK

## Solubility Information

Solubility	DMSO: 32.5 mg/mL (99.57 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	3.0637 mL	15.3186 mL	30.6373 mL
5 mM	0.6127 mL	3.0637 mL	6.1275 mL
10 mM	0.3064 mL	1.5319 mL	3.0637 mL
50 mM	0.0613 mL	0.3064 mL	0.6127 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

Abrams RPM, et al. Therapeutic candidates for the Zika virus identified by a high-throughput screen for Zika protease inhibitors. Proc Natl Acad Sci U S A. 2020;117(49):31365-31375.

Vesely J, et al. Inhibition of cyclin-dependent kinases by purine analogues. Eur J Biochem. 1994;224(2):771-786.

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