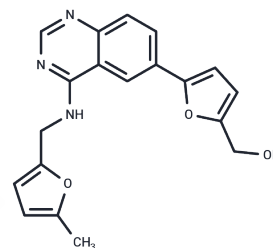


ML167

Chemical Properties

CAS No. :	1285702-20-6
Formula:	C ₁₉ H ₁₇ N ₃ O ₃
Molecular Weight:	335.36
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	ML167 (CID44968231) is a highly selective Cdc2-like kinase 4 (Clk4) inhibitor.
Targets(IC50)	CDK,DYRK
In vivo	ML167 exhibits high cellular permeability and serves as a probe for Clk4 in Caco-2 assays.

Solubility Information

Solubility	Ethanol: 11 mg/mL (32.8 mM),Sonication is recommended. DMSO: 62 mg/mL (184.88 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9819 mL	14.9094 mL	29.8187 mL
5 mM	0.5964 mL	2.9819 mL	5.9637 mL
10 mM	0.2982 mL	1.4909 mL	2.9819 mL
50 mM	0.0596 mL	0.2982 mL	0.5964 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.

Reference

Rosenthal AS, et al. Probe Reports from the NIH Molecular Libraries Program. 2010.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481