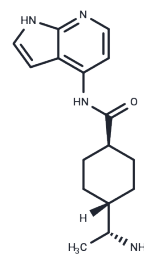


Y-30141

## Chemical Properties

CAS No. : 199433-55-1  
 Formula: C<sub>16</sub>H<sub>22</sub>N<sub>4</sub>O  
 Molecular Weight: 286.37  
 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** Y-30141 is closely related to the commonly used ROCK inhibitor, Y-27632. This compound inhibits the kinase activity of both ROCK-I and ROCK-II by competitively binding to the catalytic site, showing 20 to 30 times greater affinity for ROCK kinases compared to other Rho effector kinases. Furthermore, the inhibition mechanism and action profile of Y-30141 have also been investigated.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.492 mL	17.4599 mL	34.9199 mL
5 mM	0.6984 mL	3.492 mL	6.984 mL
10 mM	0.3492 mL	1.746 mL	3.492 mL
50 mM	0.0698 mL	0.3492 mL	0.6984 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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