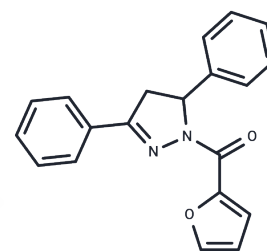


Rhodblock 1a

Chemical Properties

CAS No. :	701226-08-6
Formula:	C ₂₀ H ₁₆ N ₂ O ₂
Molecular Weight:	316.353
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	Rhodblock 1a is an inhibitor of the Rho kinase signaling pathway, which disrupts the localization and function of proteins within the Rho pathway. This interference hinders the proper formation of the cleavage furrow during cell division, leading to some cells either failing to form the cleavage furrow or forming a ruptured furrow, resulting in binucleated cells. Rhodblock 1a can be utilized for investigating cell division mechanisms and holds potential for research into cardiovascular diseases and cancer.
Targets(IC50)	ROCK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1611 mL	15.8053 mL	31.6106 mL
5 mM	0.6322 mL	3.1611 mL	6.3221 mL
10 mM	0.3161 mL	1.5805 mL	3.1611 mL
50 mM	0.0632 mL	0.3161 mL	0.6322 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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