

## Adhibin

## Chemical Properties

CAS No. :

Formula: C13H9Br2NO

Molecular Weight: 355.02

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	Adhibin is an allosteric inhibitor of RhoGAP class IX myosin (RhoGAP class IXmyosin), effectively inhibiting Myo9 ATPase in both mammals and invertebrates with an IC50 of 2.5 $\mu$ M and 2.6 $\mu$ M, respectively. It binds to ATPase, disrupting myosin's motor functions, blocking RhoGTPase-related signaling pathways, and affecting cellular migration, adhesion, and division. Adhibin is applicable for research in cancer metastasis.
Targets(IC50)	Myosin

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8167 mL	14.0837 mL	28.1674 mL
5 mM	0.5633 mL	2.8167 mL	5.6335 mL
10 mM	0.2817 mL	1.4084 mL	2.8167 mL
50 mM	0.0563 mL	0.2817 mL	0.5633 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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