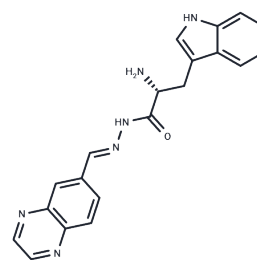


Rhosin

Chemical Properties

CAS No. :	1173671-63-0
Formula:	C ₂₀ H ₁₈ N ₆ O
Molecular Weight:	358.4
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	Rhosin is an effective and specific RhoA subfamily Rho GTPases inhibitor, which specifically binds to RhoA to inhibit RhoA-GEF interaction (K _d : ~ 0.4 μM). Rhosin does not interact with Cdc42 or Rac1, nor the GEF, LARG. Rhosin causes cell apoptosis.
Targets(IC ₅₀)	Apoptosis,Rho,Ras
In vitro	Rhosin induces decreased size and reduced number of mammospheres in MCF7 cells. Rhosin dose-dependently decreases RhoA and p-MLC1 activities of MCF7 cell-derived mammospheres (EC ₅₀ : ~30-50 μM) [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7902 mL	13.9509 mL	27.9018 mL
5 mM	0.558 mL	2.7902 mL	5.5804 mL
10 mM	0.279 mL	1.3951 mL	2.7902 mL
50 mM	0.0558 mL	0.279 mL	0.558 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

Shang X, et al. Rational design of small molecule inhibitors targeting RhoA subfamily Rho GTPases. Chem Biol. 2012 Jun 22;19(6):699-710.

Shang X, et al. Small-molecule inhibitors targeting G-protein-coupled Rho guanine nucleotide exchange factors. Proc Natl Acad Sci U S A. 2013 Feb 19;110(8):3155-60.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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