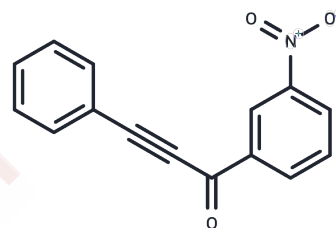


MLS000532223

Chemical Properties

CAS No. : 16616-39-0
 Formula: C₁₅H₉NO₃
 Molecular Weight: 251.24
 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	MLS000532223 is a selective Rho family GTPases inhibitor (EC ₅₀ : 16 μM to 120 μM).
Targets (IC ₅₀)	Rho, Ras
In vitro	MLS000532223, a general inhibitor that prevents GTP binding to several GTPases in a dose-dependent manner and is active in biochemical and cell-based secondary assays. Live-cell imaging and confocal microscopy studies revealed the inhibitor-induced actin reorganization and cell morphology changes, characteristic of Rho GTPases inhibition.

Solubility Information

Solubility	DMSO: 45 mg/mL (179.11 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9803 mL	19.9013 mL	39.8026 mL
5 mM	0.7961 mL	3.9803 mL	7.9605 mL
10 mM	0.398 mL	1.9901 mL	3.9803 mL
50 mM	0.0796 mL	0.398 mL	0.7961 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

Zurab Surviladze, et al. Identification of a Small GTPase Inhibitor Using a High-Throughput Flow Cytometry Bead-Based Multiplex Assay. J Biomol Screen. 2010 Jan;15(1):10-20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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