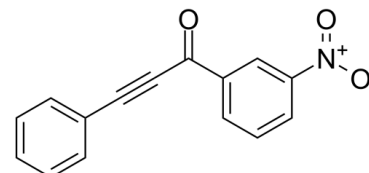


Data Sheet

Product Name:	MLS000532223
Cat. No.:	CS-0064006
CAS No.:	16616-39-0
Molecular Formula:	C ₁₅ H ₉ NO ₃
Molecular Weight:	251.24
Target:	Ras
Pathway:	GPCR/G Protein
Solubility:	DMSO : 50 mg/mL (199.01 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

MLS000532223 is a high affinity, selective inhibitor of **Rho family GTPases**, with **EC₅₀** values ranging from 16 μM to 120 μM.

MLS000532223 prevents GTP binding to several GTPases^[1]. IC₅₀ & Target: EC₅₀: 16-120 μM (Rho family GTPases)^[1] **In Vitro**:

MLS000532223 prevents GTP binding to several GTPases in a dose-dependent manner^[1].

MLS000532223 modulates Rho-family GTP-binding kinetics^[1].

MLS000532223 is active in cell-based assays and inhibits EGF-stimulated Rac 1 activation^[1].

MLS000532223 inhibits actin rearrangements and changes in cell morphology that are downstream of Rho family GTPase activation^[1].

MLS000532223 (10 μM) modulates actin remodeling in mast cells^[1].

MLS000532223 (10 μM) inhibits ligand-stimulated β-hexosaminidase secretion of RBL cells^[1].

References:

[1]. 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.

CAIndexNames:

2-Propyn-1-one, 1-(3-nitrophenyl)-3-phenyl-

SMILES:

O=C(C1=CC=CC([N+])([O-])=O)=C1C#CC2=CC=CC=C2

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA