



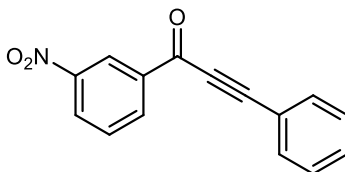
**Catalog # 10-1305**

**MLS-532223**

**CAS#16616-39-0**

1-(3-Nitrophenyl)-3-phenyl-2-propyn-1-one

Lot # X104149



MLS-532223 is a high-affinity selective inhibitor of Rho family GTPases ( $EC_{50}=10 \mu\text{M}$ ). It inhibits EGF-stimulated Rac1 activation (3-10  $\mu\text{M}$ ). Cell permeable.

- 1) Surviladze *et al.* (2010), *Identification of a small GTPase inhibitor using a high-throughput flow cytometry bead-based multiplex assay*; J. Biomol. Screening, **15** 10

#### **PHYSICAL DATA**

Molecular Weight:	251.24
Molecular Formula:	$\text{C}_{15}\text{H}_9\text{NO}_3$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 20 mg/ml)
Physical Description:	Beige solid
Storage and Stability:	Store as supplied desiccated at room temperature for up to 2 years from the date of purchase. Solutions in DMSO may be stored at $-20^\circ\text{C}$ for up to 2 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

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