



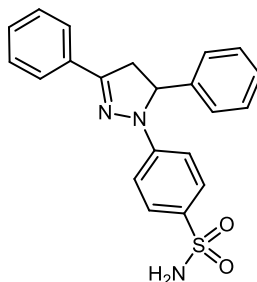
**Catalog # 10-1193**

**MLS-573151**

10179-57-4

4-[3,5-Diphenyl-4,5-dihydropyrazol-1-yl]benzenesulfonamide

Lot # X104119



MLS-573151 is a potent and specific inhibitor of Cdc42 a small GTPase of the Rho-subfamily ( $IC_{50}=2 \mu M$ ).<sup>1</sup>  
A useful agent for probing the involvement of Cdc42 in cellular signaling and physiology.<sup>2</sup>

- 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
- 2) Wang *et al.* (2017), *Cannabinoid Receptor 1 Mediates Homing of Bone Marrow-Derived Mesenchymal Stem Cells Triggered by Chronic Liver Injury*; J. Cell Physiol., **232** 110

#### **PHYSICAL DATA**

Molecular Weight:	377.47
Molecular Formula:	C <sub>21</sub> H <sub>19</sub> N <sub>3</sub> O <sub>2</sub> S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 20 mg/ml)
Physical Description:	Yellow 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°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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