

Product Data Sheet

Product Name: Rhodblock 6

Cat. No.: GC72976

Chemical Properties

Cas. No. 886625-06-5

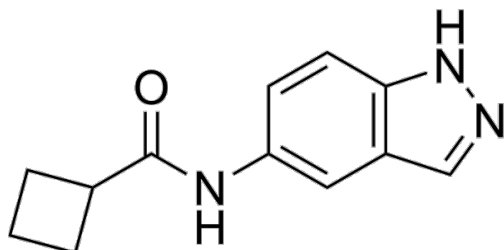
Formula $C_{12}H_{13}N_3O$ M.Wt 215.25

Solubility DMSO : 125 mg/mL (580.72 mM; Need ultrasonic) Storage 4°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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

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Rhodblock 6 is a Rho kinase (ROCK) inhibitor that inhibits phospho-MRLC (myosin regulatory light chain) localization.

Rhodblock 6 (1-30 μ M) inhibits ROCK activity robustly and in a dose-dependent manner. Rhodblock 6 also inhibits its human ortholog, ROCK I, and Rhodblock 6 (100 μ M; 20 h) causes the disruption of stress fibers in human HeLa cells[1].

References:

[1]. Adam B Castoreno, et al. Small molecules discovered in a pathway screen target the Rho pathway in cytokinesis. Nat Chem Biol. 2010 Jun;6(6):457-63.

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