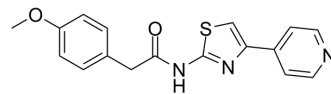


## ROCK1-IN-1

<b>Cat. No.:</b>	HY-Q22471
<b>CAS No.:</b>	692869-38-8
<b>Molecular Formula:</b>	C <sub>17</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> S
<b>Molecular Weight:</b>	325.38
<b>Target:</b>	ROCK
<b>Pathway:</b>	Cell Cycle/DNA Damage; Cytoskeleton; Stem Cell/Wnt; TGF-beta/Smad
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (384.17 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.0733 mL	15.3666 mL	30.7333 mL	
5 mM	0.6147 mL	3.0733 mL	6.1467 mL	
10 mM	0.3073 mL	1.5367 mL	3.0733 mL	

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

ROCK1-IN-1 is a ROCK1 inhibitor with a K<sub>i</sub> value of 540 nM. ROCK1-IN-1 can be used for the research of hypertension, glaucoma and erectile dysfunction<sup>[1]</sup>.

### REFERENCES

[1]. Green J, et al. Design, Synthesis, and Structure-Activity Relationships of Pyridine-Based Rho Kinase (ROCK) Inhibitors. J Med Chem. 2015 Jun 25;58(12):5028-37.

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

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