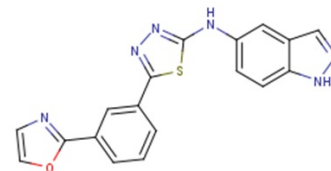


ROCK2-IN-2

Chemical Properties

CAS No.:	1995065-79-6
Formula:	C ₁₈ H ₁₂ N ₆ O ₅
Molecular Weight:	360.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	ROCK2-IN-2 is a selective inhibitor of ROCK2 (IC ₅₀ of <1 μM).
Targets (IC ₅₀)	ROCK2: 1 μM
In vitro	Rho-associated protein kinase (ROCK) is a member of the serine-threonine protein kinase family. Rho-associated protein kinase exists in two isoforms, ROCK1 and ROCK2, is an effector molecule of RhoA, and the RhoA/ROCK signaling pathway is involved in a number of cellular functions, which include, for example, actin organization, cell adhesion, cell migration, and cytokinesis. In addition, the RhoA/ROCK signaling pathway is involved in regulating smooth muscle contraction. Inhibitors of ROCK have been reported to be useful for treating multiple medical disorders, such as fibrosis, inflammatory disorders, autoimmune disorders, and cardiovascular disorders.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.775 mL	13.874 mL	27.748 mL
5 mM	0.555 mL	2.775 mL	5.55 mL
10 mM	0.277 mL	1.387 mL	2.775 mL
50 mM	0.055 mL	0.277 mL	0.555 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Aicher, Thomas Daniel, et al. INDAZOLYL THIADIAZOLAMINES AND RELATED COMPOUNDS FOR INHIBITION OF RHO-ASSOCIATED PROTEIN KINASE AND THE TREATMENT OF DISEASE. US20180093978A1.

Inhibitors · Natural Compounds · Compound Libraries

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