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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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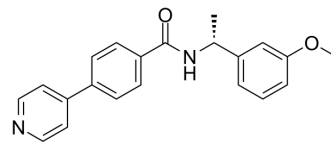
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ROCK inhibitor-2

Cat. No.:	HY-119937
CAS No.:	1127308-52-4
Molecular Formula:	C ₂₁ H ₂₀ N ₂ O ₂
Molecular Weight:	332.4
Target:	ROCK
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Stem Cell/Wnt; TGF-beta/Smad
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (601.68 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.0084 mL	15.0421 mL	30.0842 mL
		5 mM		0.6017 mL	3.0084 mL	6.0168 mL
		10 mM		0.3008 mL	1.5042 mL	3.0084 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (15.04 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (15.04 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (15.04 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	ROCK inhibitor-2 is a selective dual ROCK1 and ROCK2 inhibitor with IC ₅₀ s of 17 nM and 2 nM, respectively ^[1] .	
IC ₅₀ & Target	ROCK1 17 nM (IC ₅₀)	ROCK2 2 nM (IC ₅₀)

CUSTOMER VALIDATION

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- J Nanobiotechnology. 2021 Sep 4;19(1):263.
 - Nano Res. 03 August 2022.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Hobson AD, et al. Identification of Selective Dual ROCK1 and ROCK2 Inhibitors Using Structure-Based DrugDesign. J Med Chem. 2018 Dec 27;61(24):11074-11100.

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

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