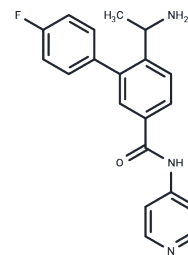


ROCK-IN-1

Chemical Properties

CAS No. :	934387-35-6
Formula:	C ₂₀ H ₁₈ FN ₃ O
Molecular Weight:	335.37
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	ROCK-IN-1, a potent ROCK inhibitor, effectively inhibits ROCK2-mediated signaling with an IC ₅₀ value of 1.2 nM. ROCK-IN-1 is applicable in the study of neurological disorders and inflammation-related diseases.
Targets(IC ₅₀)	ROCK
In vitro	With an EC ₅₀ of 200 nM, ROCK-IN-1 exhibits potent cellular efficacy[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (149.09 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9818 mL	14.9089 mL	29.8178 mL
5 mM	0.5964 mL	2.9818 mL	5.9636 mL
10 mM	0.2982 mL	1.4909 mL	2.9818 mL
50 mM	0.0596 mL	0.2982 mL	0.5964 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Boland S, et al. 3-[2-(Aminomethyl)-5-[(pyridin-4-yl)carbamoyl]phenyl] benzoates as soft ROCK inhibitors. Bioorg Med Chem Lett. 2013 Dec 1;23(23):6442-6.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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