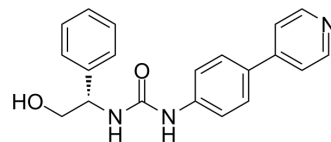


AS1892802

Cat. No.:	HY-108519		
CAS No.:	928320-12-1		
Molecular Formula:	C ₂₀ H ₁₉ N ₃ O ₂		
Molecular Weight:	333.38		
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	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (374.95 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9996 mL	14.9979 mL	29.9958 mL
5 mM	0.5999 mL	2.9996 mL	5.9992 mL
10 mM	0.3000 mL	1.4998 mL	2.9996 mL

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

BIOLOGICAL ACTIVITY

Description

AS1892802 is a potent, orally active, and highly selective inhibitor of ROCK. The onset of antinociceptive effect of AS1892802 is as fast as those of Tramadol and Diclofenac. AS1892802 did not induce gastric irritation or abnormal behavior. AS1892802 is an attractive analgesic profile for the research of severe osteoarthritis pain^[1].

REFERENCES

[1]. Yoshimi E, et al. Antinociceptive effects of AS1892802, a novel Rho kinase inhibitor, in rat models of inflammatory and noninflammatory arthritis. J Pharmacol Exp Ther. 2010;334(3):955-963.

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

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