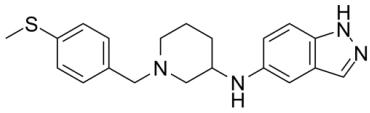
Data Sheet

Product Name:	Rho-Kinase-IN-1
Cat. No.:	CS-0018421
CAS No.:	1035094-83-7
Molecular Formula:	$C_{20}H_{24}N_4S$
Molecular Weight:	352.50
Target:	ROCK
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Stem Cell/Wnt; TGF-beta/Smad
Solubility:	DMSO : 50 mg/mL (141.84 mM; ultrasonic and warming and heat to 60°C)



BIOLOGICAL ACTIVITY:

Rho-Kinase-IN-1 is a **Rho kinase (ROCK)** inhibitor (K_i values of 30.5 and 3.9 nM for ROCK1 and ROCK2, respectively) extracted from US20090325960A1, compound 1.008[1]. IC50 & Target: Ki: 30.5 nM (ROCK1), 3.9 nM (ROCK2)[1] **In Vitro:** Rho-Kinase-IN-1 is a ROCK inhibitor which can be useful for treating diseases or conditions associated with excessive cell proliferation, remodeling, edema and inflammation[1].

References:

[1]. Fulcher, Emilee H, et al. Method for the treatment and prevention of the inflammatory diseases using Rho kinase inhibiting compounds. US 20090325960 A1.

CAIndexNames:

1H-Indazol-5-amine, N-[1-[[4-(methylthio)phenyl]methyl]-3-piperidinyl]-

SMILES:

CSC1=CC=C(CN2CC(NC3=CC4=C(NN=C4)C=C3)CCC2)C=C1

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

Tel: 610-426-3128 Fax: 888-484-5008 E-mail: sales@ChemScene.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA