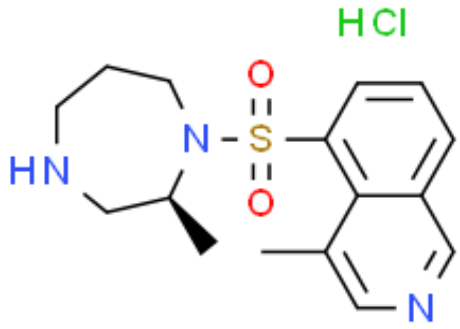
Product Data Sheet

Cas No.:	871543-07-6	Cat. No:	PL09259
Product Name:	H-1152 dihydrochloride		
Product synonym:	2-氯-5-(三氟甲基)吡啶-4-甲醛;H-1152二氢氯化物;H-1152双盐酸盐		
Chemical name:	H-1152 dihydrochloride		
MF:	C16H23CL2N3O2S	FW:	392.3437
Purity:	≥99%	Batch No.:	-
Storage:			
Structural formula:			
λmax：	-	Formulation：	-
Solubility :			
SMILES :	Cl[H].Cl[H].S(C1=C([H])C([H])=C([H])C2C([H])=NC([H])=C(C([H])([H])[H])C1=2)(N1C([H])([H])C([H])([H])C([H])([H])C([H])([H])N([H])C([H])([H])[C@]1([H])C([H])([H])[H])(=O)=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

H-1152 dihydrochloride 是一种膜通透的，选择性的 ROCK 抑制剂，Ki 值为 1.6 nM，对 ROCK2 的 IC50 值为 12 nM。

生物活性	H-1152 dihydrochloride is a membrane-permeable and selective ROCK inhibitor, with a K i value of 1.6 nM, and an IC 50 value of 12 nM for ROCK2.
IC50 & Target[1][2]	ROCKII 12 nM (IC50) CaMKII 0.18 μM (IC
体外研究(In Vitro)	H-1152 dihydrochloride is an inhibitor of Rho-kinase, with an IC50 of 12 nM for ROCK2. H-1152 (H-1152P) also shows less inhibitory activities against CaMKII, PKG, AuroraA, PKA, Src, PKC, MLCK, Abl, EGFR, MKK4, GSK3α, AMPK, and P38α, with IC50s of 0.180, 0.360, 0.745, 3.03, 3.06, 5.68, 28.3, 7.77, 50.0, 16.9, 60.7, 100, and 100 μM, respectively. H-1152 potently inhibits Rho kinase, with a Ki of 1.6 nM, and slightly suppresses PKA, PKC and MLCK, with Kis of?0.63, 9.27, and 10.1 μM, respectively. H-1152 (0.1-10 μM) highly inhibits MARCKS phosphorylation, with an IC50 value of 2.5 μM in LPA-treated cells, but shows no such obvious effects in PDBu-treated cells. H-1152 (0.5-10 μM) cuases no decreased neuronal survival. H-1152 (1, 5 or 10 μM) also exerts no alterations in the ratios of different neuronal morphologies. Furthermor
包装储存	4°C, sealed storage, away from moistur In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

溶解度数据	In Vitro: DMSO : 50 mg/mL (127.44 mM; Need ultrasonic)H_2O : 35.71 mg/mL (91.02 mM; Need ultrasonic)配制储备液