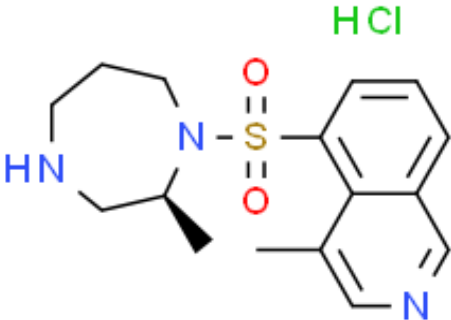


Product Data Sheet

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 :	<chem>ClC1=CC(=C(C=C1)C(=O)O)C2=CC(=C(C=C2)N(C(=O)O)C3=CC(=C(C=C3)N(C(=O)O)C4=CC(=C(C=C4)N(C(=O)O)C5=CC(=C(C=C5)N(C(=O)O)C6=CC(=C(C=C6)N(C(=O)O)C7=CC(=C(C=C7)N(C(=O)O)C8=CC(=C(C=C8)N(C(=O)O)C9=CC(=C(C=C9)N(C(=O)O)C10=CC(=C(C=C10)N(C(=O)O)C11=CC(=C(C=C11)N(C(=O)O)C12=CC(=C(C=C12)N(C(=O)O)C13=CC(=C(C=C13)N(C(=O)O)C14=CC(=C(C=C14)N(C(=O)O)C15=CC(=C(C=C15)N(C(=O)O)C16=CC(=C(C=C16)N(C(=O)O)C17=CC(=C(C=C17)N(C(=O)O)C18=CC(=C(C=C18)N(C(=O)O)C19=CC(=C(C=C19)N(C(=O)O)C20=CC(=C(C=C20)N(C(=O)O)C21=CC(=C(C=C21)N(C(=O)O)C22=CC(=C(C=C22)N(C(=O)O)C23=CC(=C(C=C23)N(C(=O)O)C24=CC(=C(C=C24)N(C(=O)O)C25=CC(=C(C=C25)N(C(=O)O)C26=CC(=C(C=C26)N(C(=O)O)C27=CC(=C(C=C27)N(C(=O)O)C28=CC(=C(C=C28)N(C(=O)O)C29=CC(=C(C=C29)N(C(=O)O)C30=CC(=C(C=C30)N(C(=O)O)C31=CC(=C(C=C31)N(C(=O)O)C32=CC(=C(C=C32)N(C(=O)O)C33=CC(=C(C=C33)N(C(=O)O)C34=CC(=C(C=C34)N(C(=O)O)C35=CC(=C(C=C35)N(C(=O)O)C36=CC(=C(C=C36)N(C(=O)O)C37=CC(=C(C=C37)N(C(=O)O)C38=CC(=C(C=C38)N(C(=O)O)C39=CC(=C(C=C39)N(C(=O)O)C40=CC(=C(C=C40)N(C(=O)O)C41=CC(=C(C=C41)N(C(=O)O)C42=CC(=C(C=C42)N(C(=O)O)C43=CC(=C(C=C43)N(C(=O)O)C44=CC(=C(C=C44)N(C(=O)O)C45=CC(=C(C=C45)N(C(=O)O)C46=CC(=C(C=C46)N(C(=O)O)C47=CC(=C(C=C47)N(C(=O)O)C48=CC(=C(C=C48)N(C(=O)O)C49=CC(=C(C=C49)N(C(=O)O)C50=CC(=C(C=C50)N(C(=O)O)C51=CC(=C(C=C51)N(C(=O)O)C52=CC(=C(C=C52)N(C(=O)O)C53=CC(=C(C=C53)N(C(=O)O)C54=CC(=C(C=C54)N(C(=O)O)C55=CC(=C(C=C55)N(C(=O)O)C56=CC(=C(C=C56)N(C(=O)O)C57=CC(=C(C=C57)N(C(=O)O)C58=CC(=C(C=C58)N(C(=O)O)C59=CC(=C(C=C59)N(C(=O)O)C60=CC(=C(C=C60)N(C(=O)O)C61=CC(=C(C=C61)N(C(=O)O)C62=CC(=C(C=C62)N(C(=O)O)C63=CC(=C(C=C63)N(C(=O)O)C64=CC(=C(C=C64)N(C(=O)O)C65=CC(=C(C=C65)N(C(=O)O)C66=CC(=C(C=C66)N(C(=O)O)C67=CC(=C(C=C67)N(C(=O)O)C68=CC(=C(C=C68)N(C(=O)O)C69=CC(=C(C=C69)N(C(=O)O)C70=CC(=C(C=C70)N(C(=O)O)C71=CC(=C(C=C71)N(C(=O)O)C72=CC(=C(C=C72)N(C(=O)O)C73=CC(=C(C=C73)N(C(=O)O)C74=CC(=C(C=C74)N(C(=O)O)C75=CC(=C(C=C75)N(C(=O)O)C76=CC(=C(C=C76)N(C(=O)O)C77=CC(=C(C=C77)N(C(=O)O)C78=CC(=C(C=C78)N(C(=O)O)C79=CC(=C(C=C79)N(C(=O)O)C80=CC(=C(C=C80)N(C(=O)O)C81=CC(=C(C=C81)N(C(=O)O)C82=CC(=C(C=C82)N(C(=O)O)C83=CC(=C(C=C83)N(C(=O)O)C84=CC(=C(C=C84)N(C(=O)O)C85=CC(=C(C=C85)N(C(=O)O)C86=CC(=C(C=C86)N(C(=O)O)C87=CC(=C(C=C87)N(C(=O)O)C88=CC(=C(C=C88)N(C(=O)O)C89=CC(=C(C=C89)N(C(=O)O)C90=CC(=C(C=C90)N(C(=O)O)C91=CC(=C(C=C91)N(C(=O)O)C92=CC(=C(C=C92)N(C(=O)O)C93=CC(=C(C=C93)N(C(=O)O)C94=CC(=C(C=C94)N(C(=O)O)C95=CC(=C(C=C95)N(C(=O)O)C96=CC(=C(C=C96)N(C(=O)O)C97=CC(=C(C=C97)N(C(=O)O)C98=CC(=C(C=C98)N(C(=O)O)C99=CC(=C(C=C99)N(C(=O)O)C100=CC(=C(C=C100)N(C(=O)O)C101=CC(=C(C=C101)N(C(=O)O)C102=CC(=C(C=C102)N(C(=O)O)C103=CC(=C(C=C103)N(C(=O)O)C104=CC(=C(C=C104)N(C(=O)O)C105=CC(=C(C=C105)N(C(=O)O)C106=CC(=C(C=C106)N(C(=O)O)C107=CC(=C(C=C107)N(C(=O)O)C108=CC(=C(C=C108)N(C(=O)O)C109=CC(=C(C=C109)N(C(=O)O)C110=CC(=C(C=C110)N(C(=O)O)C111=CC(=C(C=C111)N(C(=O)O)C112=CC(=C(C=C112)N(C(=O)O)C113=CC(=C(C=C113)N(C(=O)O)C114=CC(=C(C=C114)N(C(=O)O)C115=CC(=C(C=C115)N(C(=O)O)C116=CC(=C(C=C116)N(C(=O)O)C117=CC(=C(C=C117)N(C(=O)O)C118=CC(=C(C=C118)N(C(=O)O)C119=CC(=C(C=C119)N(C(=O)O)C120=CC(=C(C=C120)N(C(=O)O)C121=CC(=C(C=C121)N(C(=O)O)C122=CC(=C(C=C122)N(C(=O)O)C123=CC(=C(C=C123)N(C(=O)O)C124=CC(=C(C=C124)N(C(=O)O)C125=CC(=C(C=C125)N(C(=O)O)C126=CC(=C(C=C126)N(C(=O)O)C127=CC(=C(C=C127)N(C(=O)O)C128=CC(=C(C=C128)N(C(=O)O)C129=CC(=C(C=C129)N(C(=O)O)C130=CC(=C(C=C130)N(C(=O)O)C131=CC(=C(C=C131)N(C(=O)O)C132=CC(=C(C=C132)N(C(=O)O)C133=CC(=C(C=C133)N(C(=O)O)C134=CC(=C(C=C134)N(C(=O)O)C135=CC(=C(C=C135)N(C(=O)O)C136=CC(=C(C=C136)N(C(=O)O)C137=CC(=C(C=C137)N(C(=O)O)C138=CC(=C(C=C138)N(C(=O)O)C139=CC(=C(C=C139)N(C(=O)O)C140=CC(=C(C=C140)N(C(=O)O)C141=CC(=C(C=C141)N(C(=O)O)C142=CC(=C(C=C142)N(C(=O)O)C143=CC(=C(C=C143)N(C(=O)O)C144=CC(=C(C=C144)N(C(=O)O)C145=CC(=C(C=C145)N(C(=O)O)C146=CC(=C(C=C146)N(C(=O)O)C147=CC(=C(C=C147)N(C(=O)O)C148=CC(=C(C=C148)N(C(=O)O)C149=CC(=C(C=C149)N(C(=O)O)C150=CC(=C(C=C150)N(C(=O)O)C151=CC(=C(C=C151)N(C(=O)O)C152=CC(=C(C=C152)N(C(=O)O)C153=CC(=C(C=C153)N(C(=O)O)C154=CC(=C(C=C154)N(C(=O)O)C155=CC(=C(C=C155)N(C(=O)O)C156=CC(=C(C=C156)N(C(=O)O)C157=CC(=C(C=C157)N(C(=O)O)C158=CC(=C(C=C158)N(C(=O)O)C159=CC(=C(C=C159)N(C(=O)O)C160=CC(=C(C=C160)N(C(=O)O)C161=CC(=C(C=C161)N(C(=O)O)C162=CC(=C(C=C162)N(C(=O)O)C163=CC(=C(C=C163)N(C(=O)O)C164=CC(=C(C=C164)N(C(=O)O)C165=CC(=C(C=C165)N(C(=O)O)C166=CC(=C(C=C166)N(C(=O)O)C</chem>		

Product Description

H-1152 dihydrochloride 是一种膜通透的，选择性的 ROCK 抑制剂， K_i 值为 1.6 nM，对 ROCK2 的 IC_{50} 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.
IC ₅₀ & Target[1][2]	ROCKII 12 nM (IC ₅₀) CaMKII 0.18 μ M (IC
体外研究(In Vitro)	H-1152 dihydrochloride is an inhibitor of Rho-kinase, with an IC ₅₀ 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, GSK3 α , AMPK, and P38 α , with IC ₅₀ s 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 μ M, respectively. H-1152 potently inhibits Rho kinase, with a K_i of 1.6 nM, and slightly suppresses PKA, PKC and MLCK, with K_{is} of 0.63, 9.27, and 10.1 μ M, respectively. H-1152 (0.1-10 μ M) highly inhibits MARCKS phosphorylation, with an IC ₅₀ value of 2.5 μ M in LPA-treated cells, but shows no such obvious effects in PDBu-treated cells. H-1152 (0.5-10 μ M) causes no decreased neuronal survival. H-1152 (1, 5 or 10 μ M) also exerts no alterations in the ratios of different neuronal morphologies. Furthermore
包装储存	4°C, sealed storage, away from moisture 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 ₂ O : 35.71 mg/mL (91.02 mM; Need ultrasonic)配制储备液
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