Product Data Sheet

Product Name: CC 401 dihydrochloride
Cat. No.: GC50400

Chemical Properties

Cas. No.	2250025-96-6		
SMILES	N1(CCCCC1)CCOC2=CC=CC(C3=NNC4=CC=C(C5=NN=CN5)C=C34)=C2.Cl.Cl		
Formula	$C_{22}H_{24}N_6O.2HCl$	M.Wt	461.39
Solubility	Soluble in DMSO	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure	CC 401 dihydrochloride		

Background

High affinity JNK inhibitor (Ki values are 25-50 nM). Inhibits JNK via competitive binding of the ATP-binding site of active, phosphorylated JNK. Exhibits > 40-fold selectivity for JNK over p38, ERK, IKK2, protein kinase C, Lck and ZAP70. Hepatoprotective. Also inhibits HCMV replication.

Uehara et al (2004) c-Jun N-terminal kinase mediates hepatic injury after rat liver transplantation. Transplantation. 78 324 PMID:15316358 |Uehara et al (2005) JNK mediates hepatic ischemia reperfusion injury. J.Hepatol. 42 850 PMID:15885356 |Ma et al (2007) A pathogenic role for c-Jun amino-terminal kinase signaling in renal fibrosis and tubular cell apoptosis. J.Am.Soc.Nephrol. 18 472 PMID:17202416 |Ma et al (2009) Blockade of the c-Jun amino terminal kinase prevents crescent formation and halts established anti-GBM glomerulonephritis in the rat. Lab.Invest. 89 470 PMID:19188913 |Zhang et al (2015) The c-Jun N-terminal kinase inhibitor SP600125 inhibits human cytomegalovirus replication. J.Med.Virol. 87 2135 PMID:26058558 |Vasilevskaya et al (2015) Inhibition of JNK sensitizes hypoxic colon cancer cells to DNA-damaging agents. Clin.Cancer.Res. 21 4143 PMID:26023085

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA