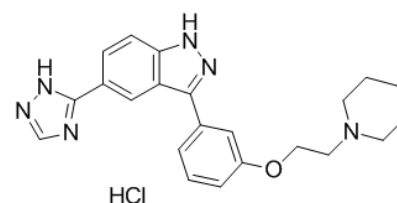


Product Name : CC-401 hydrochloride
Cat. No. : PC-43332
CAS No. : 1438391-30-0
Molecular Formula : C₂₂H₂₅ClN₆O
Molecular Weight : 424.9265
Target : JNK
Solubility : 100 mM in DMSO (42.4 mg/mL)



Biological Activity

CC-401 hydrochloride is a potent, selective, ATP-competitive pan-**JNK** inhibitor with K_i of 25-50 nM, displays >40-fold selectivity over other related kinases, including p38, ERK, IKK2, PK C, Lck, and ZAP70.

CC-401 decreases hepatic necrosis and apoptosis after orthotopic liver transplantation in vivo.

CC-401 blocks JNK signaling in the rat obstructed kidney and significantly inhibits renal fibrosis in terms of interstitial myofibroblast accumulation and collagen IV deposition.

CC-401 also significantly reduces tubular apoptosis in the obstructed kidney.

CC-401 sensitizes hypoxic colon cancer cells to DNA-damaging agents, potentiates the effect of bevacizumab and oxaliplatin in HT29-derived mouse xenografts.

References

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Ma FY, et al. *J Am Soc Nephrol*. 2007 Feb;18(2):472-84.

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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