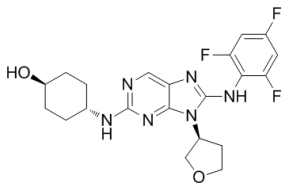
Product Name	:	Tanzisertib
Synonyms	:	CC-930
Cat No.	:	M22926
CAS Number	:	899805-25-5
Molecular Formula	:	C21H23F3N6O2
Formula Weight	:	448.44
Chemical Name	:	——
Description	:	Tanzisertib (CC-930) is a potent inhibitor of JNK1/2/3 with IC50s of 61/7/6 nM, respectively, with potential antifibrotic activity.Tanzisertib (CC-930) inhibits the formation of phospho-cJun in human PBMC stimulated by phorbol-12-myristate-13-acetate and phytohemeagglutinin (IC50=1 μM) and it blocks the JNK pathway that is activated by pro-fibrotic cytokines in systemic sclerosis. Tanzisertib (CC-930) (1-2 μM) substantially reduces hepatocyte apoptosis and necrosis, abrogates apoptosis and necrosis in FC-loaded WT hepatocytes.Tanzisertib (CC-930) (10 and 30 mg/kg, p.o.) inhibits the production of TNFa by 23% and 77% in the acute rat LPS-induced TNFa production PK-PD model. Tanzisertib (CC-930) (150 mg/kg) prevents the development of fibrosis in different models. However, it can also induce the regression of pre-existing fibrosis.
Pathway	:	MAPK/ERK Signaling
Target	:	JNK
Receptor	:	JNK3;JNK2;JNK1
Solubility	:	DMSO:33 mg/mL (73.59 mM)
SMILES	:	O[C@H]1CC[C@@H](CC1)NC2=NC=C3N=C(N(C3=N2)[C@@H]4COCC4)NC5=C(C=C(C=C5F)F)F
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Plantevin Krenitsky V, et al. Discovery of CC-930, an orally active anti-fibrotic JNK inhibitor. Bioorg Med Chem Lett. 2012 Feb 1;22(3):1433-8.

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