Product Name	:	VTX-27
Synonyms	:	——
Cat No.	:	M26503
CAS Number	:	1321924-70-2
Molecular Formula	:	C20H24ClFN6O
Formula Weight	:	418.9
Chemical Name	:	——
Description	:	VTX-27 is a selective inhibitor of protein kinase C θ (PKC θ) (Kis: 0.08 nM and 16 nM for PKC θ and PKC δ).(In Vitro):It has also been found that VTX-27 has good selectivity to other PKC family members, especially the classic isoforms (except for PKCβI, >1000 times, 200 times) and atypical isoforms (>10000 times). As expected, it is more challenging to obtain selectivity for more closely related novel PKC family members, which is 200 times more selective than PKCδ.(In Vivo):VTX-27 shows the best PK profile with low clearance (7 mL/min/kg), good oral bioavailability (65%), and long half-life (4.7 h). A single dose of VTX-27 is administered orally at 6.25, 12.5, 25, and 50 mg/kg (e.g., at 25 mg/kg Cmax concentration 700 ng/mL) and demonstrates potent dose-dependent inhibition of IL-2 production.
Pathway	:	Angiogenesis
Target	:	PKC
Receptor	:	D2
Solubility	:	——
SMILES	:	[H][C@]1(CN(CCN1)c1nc(-c2n[nH]c3ncccc23)c(F)cc1Cl)[C@](C)(O)C(C)C
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1.Hollister LE, et al. Acetophenazine and diazepam in anxious depressions. Arch Gen Psychiatry. 1971 Mar;24(3):273-8.