Product Name	:	Chiauranib
Synonyms	:	CS2164
Cat No.	:	M28045
CAS Number	:	1256349-48-0
Molecular Formula	:	C27H21N3O3
Formula Weight	:	435.5
Chemical Name	:	——
Description	:	Chiauranib is a multi-target inhibitor against tumor angiogenesis and exhibits potent anticancer effects. Chiauranib potently inhibits the angiogenesis-related kinases (VEGFR1, VEGFR2, VEGFR3, PDGFRα and c-Kit), mitosis-related kinase Aurora B, and chronic inflammation-related kinase CSF1R, with IC50 values ranging from 1-9 nM.(In Vitro):In HUVEC and PDGFRβ phosphorylation in PDGFRβ overexpressed NIH3T3 cells, Chiauranib (CS2164; 0.03-3 μM) suppressed VEGFR/PDGFR phosphorylation, inhibited ligand-dependent cell proliferation, and capillary tube formation, and prevented vasculature formation in tumor tissues. Chiauranib (CS2164) inhibited CSF-1R phosphorylation that lead to the suppression of ligand-stimulated monocyte-to-macrophage differentiation and reduced CSF-1R+ cells in tumor tissues. Chiauranib (3 μM; 24 hours) showed induction of G2/M cell cycle arrest and suppression of cell proliferation in tumor tissues through the inhibition of Aurora B-mediated H3 phosphorylation.(In Vivo):Chiauranib exhibited broad and potent anti-tumor activities in vivo. Chiauranib (2.5 mg/kg, 5 mg/kg, 10 mg/kg, 20 mg/kg, 40 mg/kg; oral) induced remarkable regression or complete inhibition of tumor growth at well-tolerated oral doses in several human tumor xenograft models.
Pathway	:	Tyrosine Kinase
Target	:	CSF1R
Receptor	:	——
Solubility	:	——
SMILES	:	N/A
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1.Scaglione F, et al. Flumethasone pivalate (Locorten) in the treatment of oral diseases. Drugs Exp Clin Res. 1985;11(8):523-6.