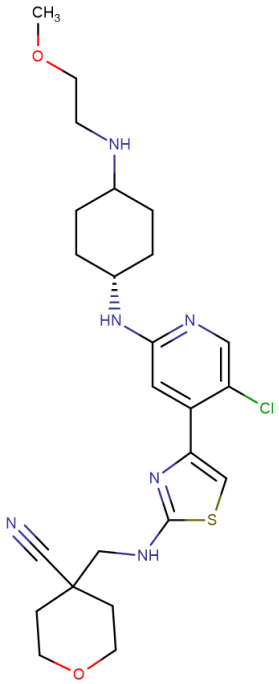
Product Name	:	JSH-150
Synonyms	:	JSH150;JSH 150
Cat No.	:	M13607
CAS Number	:	2247481-21-4
Molecular Formula	:	C24H33ClN6O2S
Formula Weight	:	505.08



Chemical Name	:	4-(((4-(5-Chloro-2-(((1r,4r)-4-((2-methoxyethyl)amino)cyclohexyl)amino)pyridin-4-yl)thiazol-2-yl)amino)methyl)tetrahydro-2H-pyran-4-carbonitrile
Description	:	JSH-150 (JSH150) is a potent, highly selective inhibitor of CDK9 kinase with IC50 of 1 nM in the biochemical assays, displays 300-10000-fold selectivity over other CDK kinase family members (CDK7 IC50=1.72 uM); also exhibits high selectivity over other 468 kinases/mutants (KINOMEscan S score(1)=0.01); displays potent antiproliferative effects against melanoma, neuroblastoma, hepatoma, colon cancer, lung cancer as well as leukemia cell lines, dose-dependently inhibits the phosphorylation of RNA Pol II, suppresses the expression of MCL-1 and c-Myc, arreststhe cell cycle and induces the apoptosis in the leukemia cells; completely suppresses the tumor progression in MV4-11 cell-inoculated xenograft mouse model (10 mg/kg).
Pathway	:	Angiogenesis
Target	:	CDK
Receptor	:	CDK
Solubility	:	——
SMILES	:	COCCNC1CC[C@H](NC2=NC=C(Cl)C(C3=CSC(NCC4(C#N)CCOCC4)=N3)=C2)CC1
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1. Wang B, et al. Eur J Med Chem. 2018 Oct 5;158:896-916.