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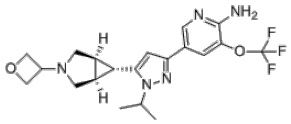
Datasheet (Version 1.0)

Product Name	:	DLK-IN-14
Synonyms	:	DLK inhibitor 14;MAP3K12-IN-14
Cat No.	:	M12382
CAS Number	:	1620574-24-4
Molecular Formula	:	C20H24F3N5O2
Formula Weight	:	423.44
Chemical Name	:	2-Pyridinamine, 5-[1-(1-methylethyl)-5-[(1α,5α,6α)-3-(3-oxetanyl)-3-azabicyclo[3.1.0]hex-6-yl]-1H-pyrazol-3-yl]-3-(trifluoromethoxy)-
Description	:	A potent, selective, CNS penetrant dual leucine zipper kinase (DLK, MAP3K12) inhibitor with Ki of 3 nM; displays no significant inhibitory activity against a panel of 220 kinases (<70% inhibition at 1 uM); reduces JNK phosphorylation (p-JNK) in HEK293 cells with IC50 of 0.195 uM, reduces p-MKK4 and p-JNK in models of chronic neurodegeneration.
Pathway	:	MAPK/ERK Signaling
Target	:	MEK
Receptor	:	MEK
Solubility	:	DMSO : 62.5 mg/mL 147.60 mM
SMILES	:	CC(N1C([C@@H]2[C@]3([H])[C@@]2([H])CN(C4COC4)C3)=CC(C5=CN=C(N)C(OC(F)(F)F)=C5)=N1)C
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Patel S, et al. J Med Chem. 2017 Oct 12;60(19):8083-8102.