

Product Data Sheet

Product Name: DLK-IN-1

Cat. No.: GC30913

Chemical Properties

Cas. No. 1620574-24-4

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

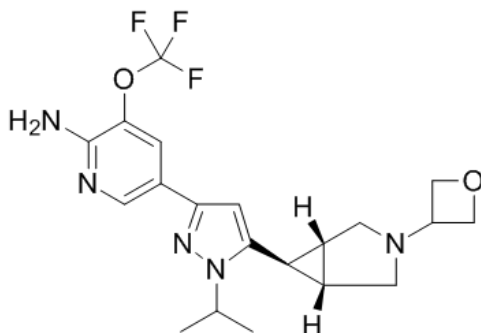
Formula $C_{20}H_{24}F_3N_5O_2$ M.Wt 423.43

Solubility DMSO : 62.5 mg/mL (147.60 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

DLK-IN-1 is a selective inhibitor of dual leucine zipper kinase (DLK, MAP3K12), with a K_i of 3 nM. DLK-IN-1 retains excellent CNS penetration and is well tolerated following multiple days of dosing at concentrations that exceed those required for DLK inhibition in the brain. DLK-IN-1 has activity in a

Caution: Product has not been fully validated for medical applications. For research use only.

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model of Alzheimer's Disease.

[1]. Patel S, et al. Selective Inhibitors of Dual Leucine Zipper Kinase (DLK, MAP3K12) with Activity in a Model of Alzheimer's Disease. J Med Chem. 2017 Oct 12;60(19):8083-8102.

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