

LDK378

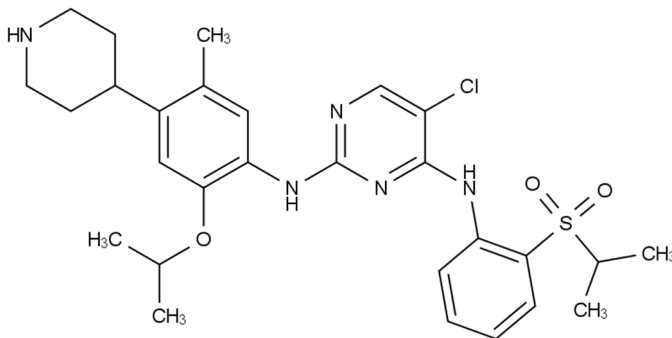
SYN-1199

5-chloro-N2-(2-isopropoxy-5-methyl-4-(piperidin-4-yl)phenyl)-N4-(2-(isopropylsulfonyl)phenyl)pyrimidine-2,4-diamine

CAS Registry No.: 1032900-25-6

Smiles String:

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O=S(C1=C(NC2=NC(NC3=C(OC(C)C)C=C(C4CCNCC4)C(C)=C3)=NC=C2Cl)C=CC=C1)(C(C)C)=O
```



Molecular Weight: 558.14

Molecular Formula: C₂₈H₃₆ClN₅O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

LDK378 is potent inhibitor against ALK with IC₅₀ of 0.2 nM, shows 40- and 35-fold selectivity against IGF-1R and InsR, respectively. It's currently in Phase 2.

Biological Activity

Kinome Mapping

Shipping and Storage Temperature

Shipping:

Ambient

Storage:

2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

Solubility

DMSO= 20mg/mL heat, Ethanol = 3mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5581	5.5814	11.1628	27.9070

References

1. Shaw AT, Solomon B. Targeting anaplastic lymphoma kinase in lung cancer. Clin Cancer Res. 2011 Apr 15;17(8):2081-6. doi: 10.1158/1078-0432.CCR-10-1591. Epub 2011 Feb 2. Review. PubMed PMID: 21288922.

Ordering Information

To order more of this or any other SYNkinase compound, go to synkinase.com, Call us Toll Free (US Only) at 1- 877-854-6273 or email orders@synkinase.com.

Product Datasheet (Rev. 1.1)