

BKM120**SYN-1200**

5-(2,6-dimorpholinopyrimidin-4-yl)-4-(trifluoromethyl)pyridin-2-amine

CAS Registry No.: 944396-07-0

Smiles String:NC1=NC=C(C2=NC(N3CCOCC3)=NC(N4CCOCC4)=C2)C(C(F)(F)F)=C1

Molecular Weight: 410.39

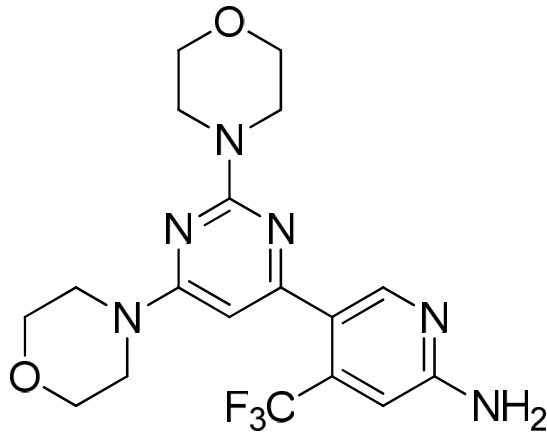
Molecular Formula: C₁₈H₂₁F₃N₆O₂

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request



Description:

NVP-BKM120 is a potent, selective, orally bioavailable Class I PI3K α Inhibitor with IC₅₀ of 20nM, currently in Phase II clinical trials for the treatment of cancer. It exhibits lower potency against class III and class IV PI3Ks.

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 80mg/mL, Ethanol 20mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4103	4.1039	8.2078	20.5195

References

1. Zeng Z, Shi YX, Tsao T, Qiu Y, Kornblau SM, Baggerly KA, Liu W, Jessen K, Liu Y, Kantarjian H, Rommel C, Fruman DA, Andreeff M, Konopleva M. Targeting of mTORC1/2 by the mTOR kinase inhibitor PP242 induces apoptosis in AML cells under conditions mimicking the bone marrow microenvironment. *Blood*. 2012 Sep 27;120(13):2679-89. Epub 2012 Jul 23. PubMed PMID: 22826565; PubMed Central PMCID: PMC3460689.

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)