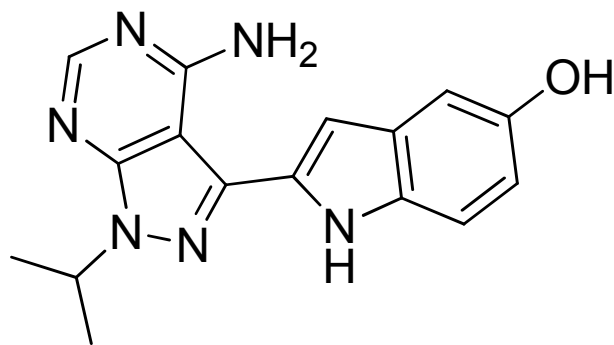


PP242

SYN-1181



2-(4-amino-1-isopropyl-1H-pyrazolo[3,4-d]pyrimidin-3-yl)-1H-indol-5-ol

CAS Registry No.: 1092351-67-1

Smiles String:

NC1=NC=NC2=C1C(C3=CC4=C(C=CC(O)=C4)N3)=NN2C(C)C

Molecular Weight: 308.34

Molecular Formula: C₁₆H₁₆N₆O

Lot Number: Refer to vial

¹H-NMR: Available on request

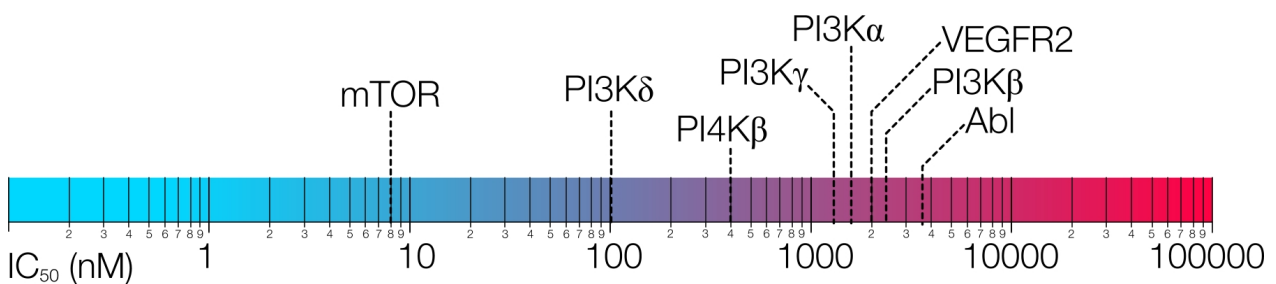
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

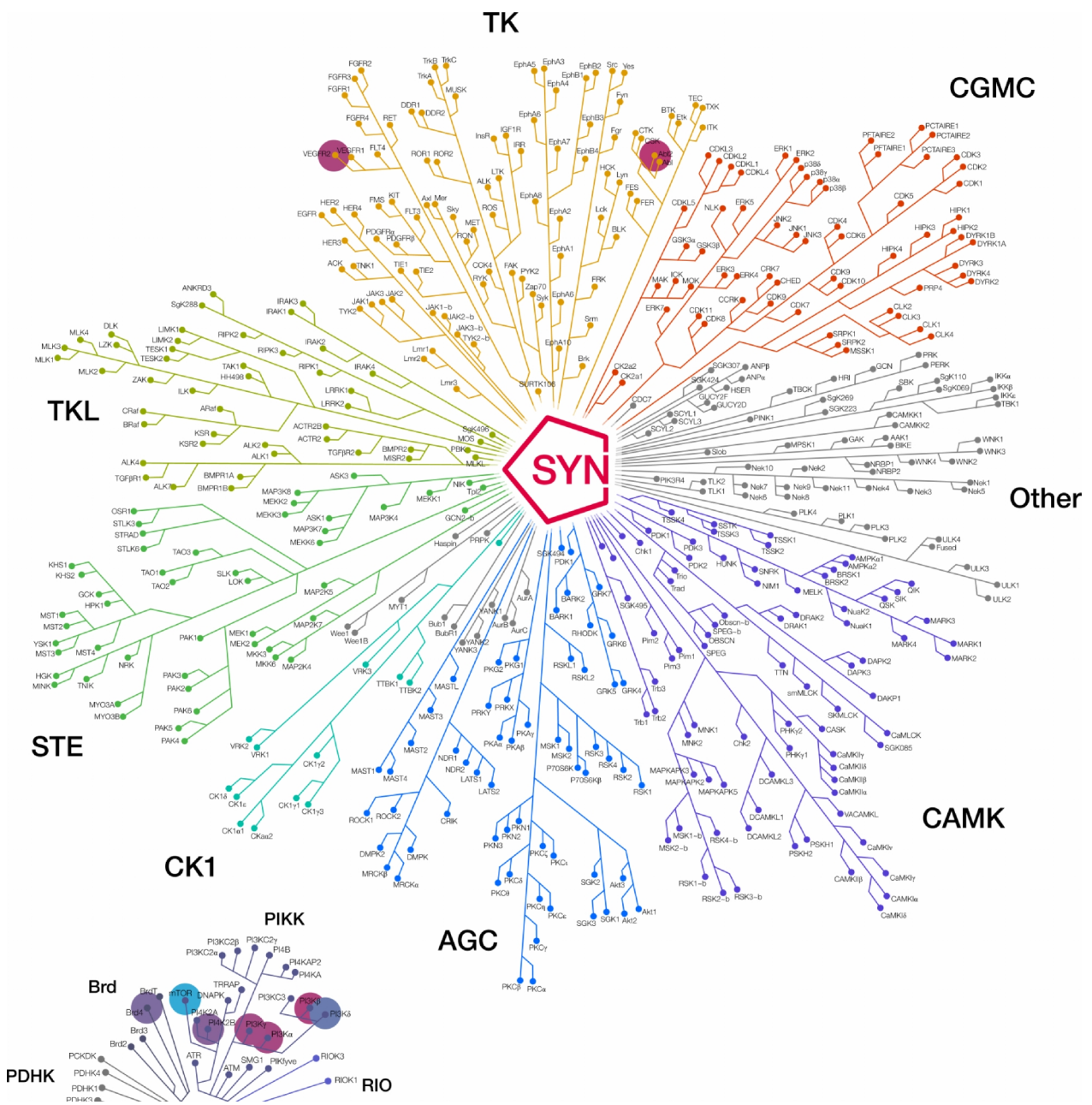
Description:

PP242 exhibits potent selectivity for mTOR over other PI3K family kinases such as p110 alpha - delta and DNA-PK, with IC₅₀ of 1.96 μM, 2.2 μM, 1.27 μM, 0.102 μM, and 0.408 μM respectively.

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 62mg/mL, Ethanol 18mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3083	3.0834	6.1668	15.4170

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)