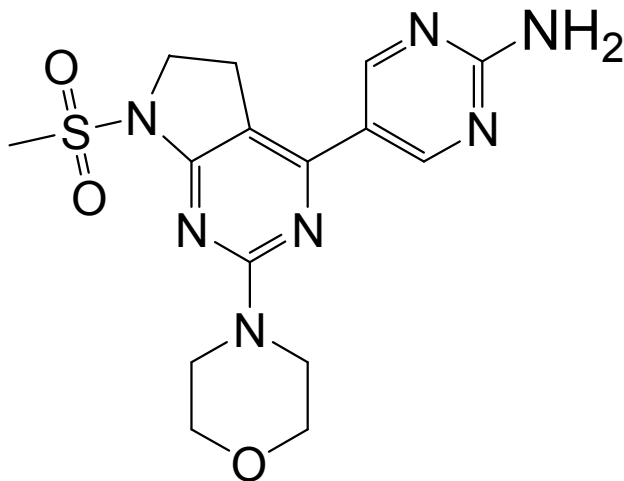


CH5132799

SYN-1146



5-(7-(methylsulfonyl)-2-morpholino-6,7-dihydro-5H-pyrrolo[2,3-d]pyrimidin-4-yl)pyrimidin-2-amine

CAS Registry No.: 1007207-67-1

Smiles String:

CS(=O)(=O)N1CCc2c1nc(nc2c3cnc(nc3)N)N4CCOCC4

Molecular Weight: 377.42

Molecular Formula: C₁₅H₁₉N₇O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

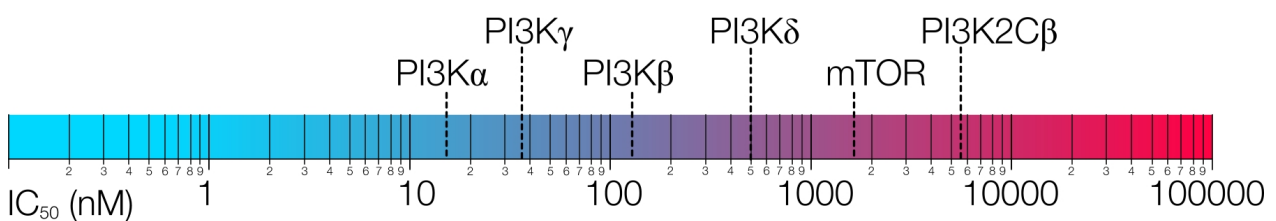
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

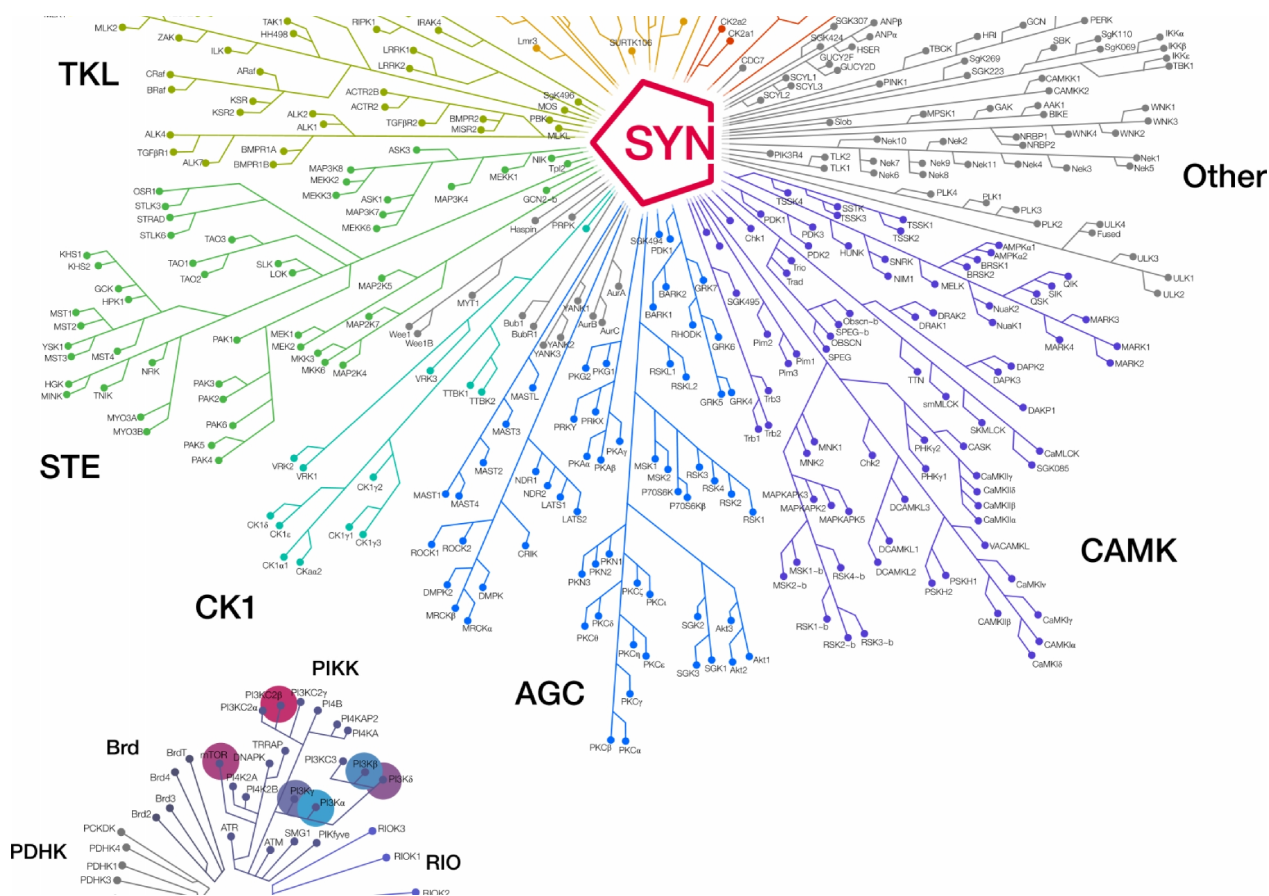
Description:

CH5132799 selectively inhibits class I PI3Kalpha with an IC₅₀ value of 14 nM.

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 12mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3775	3.7750	7.5500	18.8750

References

1. Ohwada J, Ebiike H, Kawada H, Tsukazaki M, Nakamura M, Miyazaki T, Morikami K, Yoshinari K, Yoshida M, Kondoh O, Kuramoto S, Ogawa K, Aoki Y, Shimma N. Discovery and biological activity of a novel class I PI3K inhibitor, CH5132799. *Bioorg Med Chem Lett*. 2011 Mar 15;21(6):1767-72. doi: 10.1016/j.bmcl.2011.01.065. Epub 2011 Jan 22.

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)