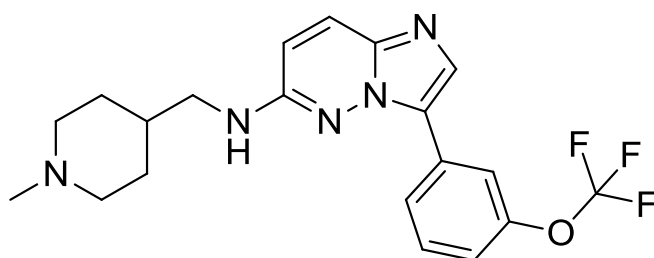


SGI-1776

SYN-1193



N-((1-methylpiperidin-4-yl)methyl)-3-(3-(trifluoromethoxy)phenyl)imidazo[1,2-b]pyridazin-6-amine

CAS Registry No.: 1025065-69-3

Smiles String:

FC(F)(F)OC1=CC(C2=CN=C3N2N=C(NCC4CCN(C)CC4)C=C3)=CC=C1

Molecular Weight: 405.42

Molecular Formula: C₂₀H₂₂F₃N₅O

Lot Number: Refer to vial

¹H-NMR: Available on request

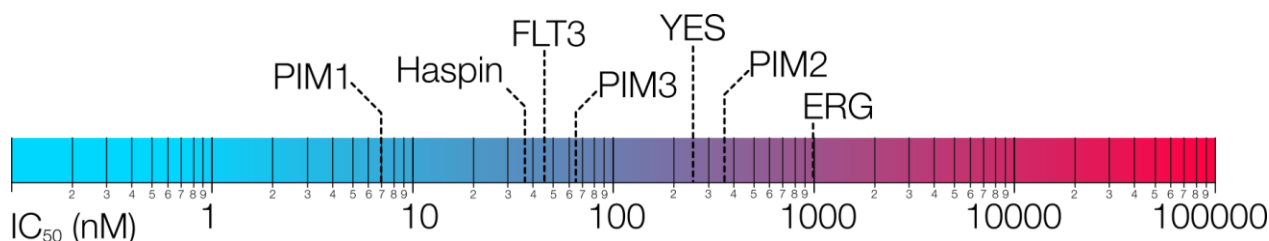
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

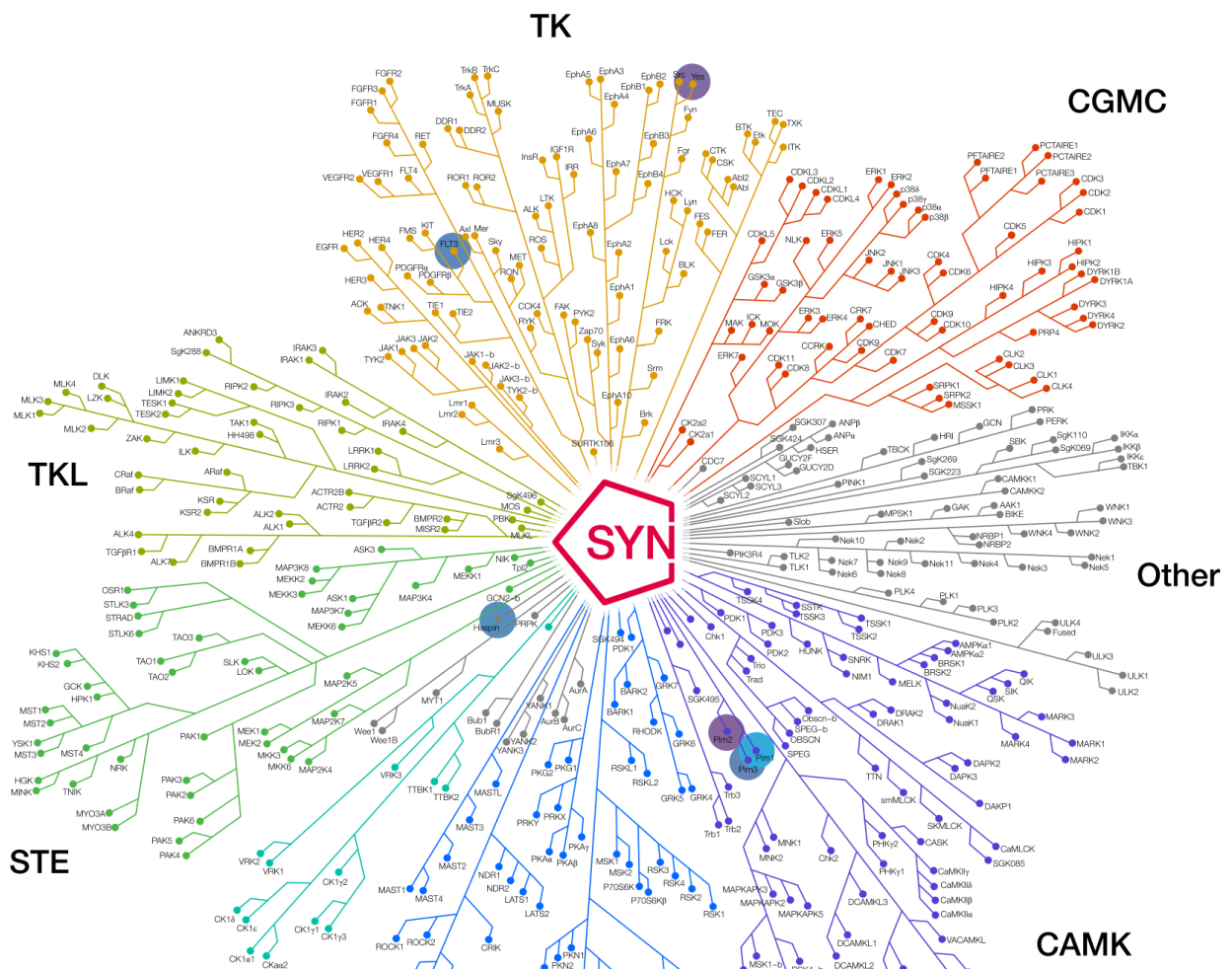
Description:

SGI-1776 is a novel ATP competitive inhibitor of Pim1 with an IC₅₀ of 7 nM, 50- and 10-fold selectivity versus Pim2 and Pim3. SGI-1776 also however inhibits FLT3 kinase which can complicate some experimental results if not carefully controlled. In 2010 SGI-1776 clinical trials were postponed because of patient toxicity to SGI-1776.

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 81mg/mL, Ethanol < 81mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4055	4.0550	8.1100	20.2750

References

1. Chen LS, Redkar S, Taverna P, Cortes JE, Gandhi V. Mechanisms of cytotoxicity to Pim kinase inhibitor, SGI-1776, in acute myeloid leukemia. *Blood*. 2011 Jul 21;118(3):693-702. doi: 10.1182/blood-2010-12-323022. Epub 2011 May 31. PubMed PMID: 21628411; PubMed Central PMCID: PMC3142906.

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)