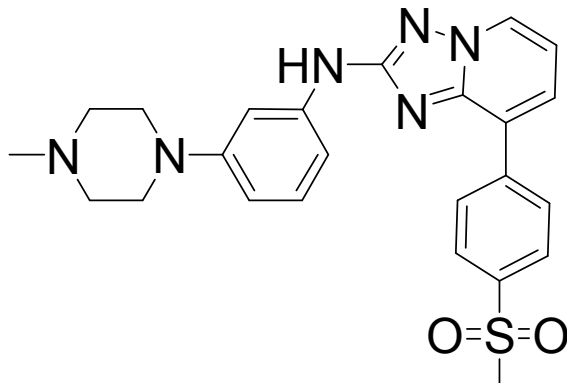


CEP-33779

SYN-1156



N-(3-(4-methylpiperazin-1-yl)phenyl)-8-(4-(methylsulfonyl)phenyl)-[1,2,4]triazolo[1,5-a]pyridin-2-amine

CAS Registry No.: 1346168-57-7

Smiles String:

CN1CCN(CC1)c2cccc(c2)Nc3nc4c(cccn4n3)c5ccc(cc5)S(=O)(=O)C

Molecular Weight: 462.57

Molecular Formula: C₂₄H₂₆N₆O₂S

Lot Number: Refer to vial

¹H-NMR: Available on request

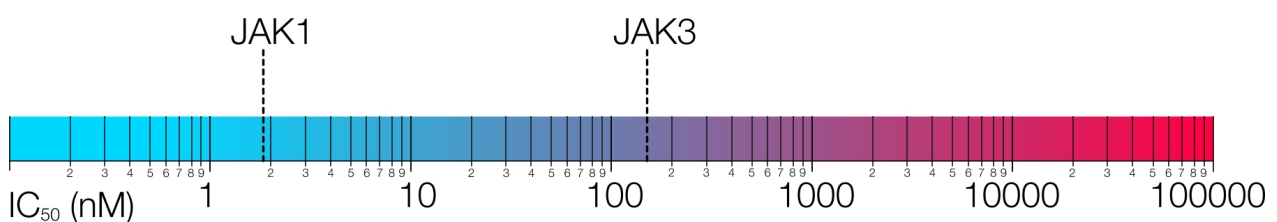
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

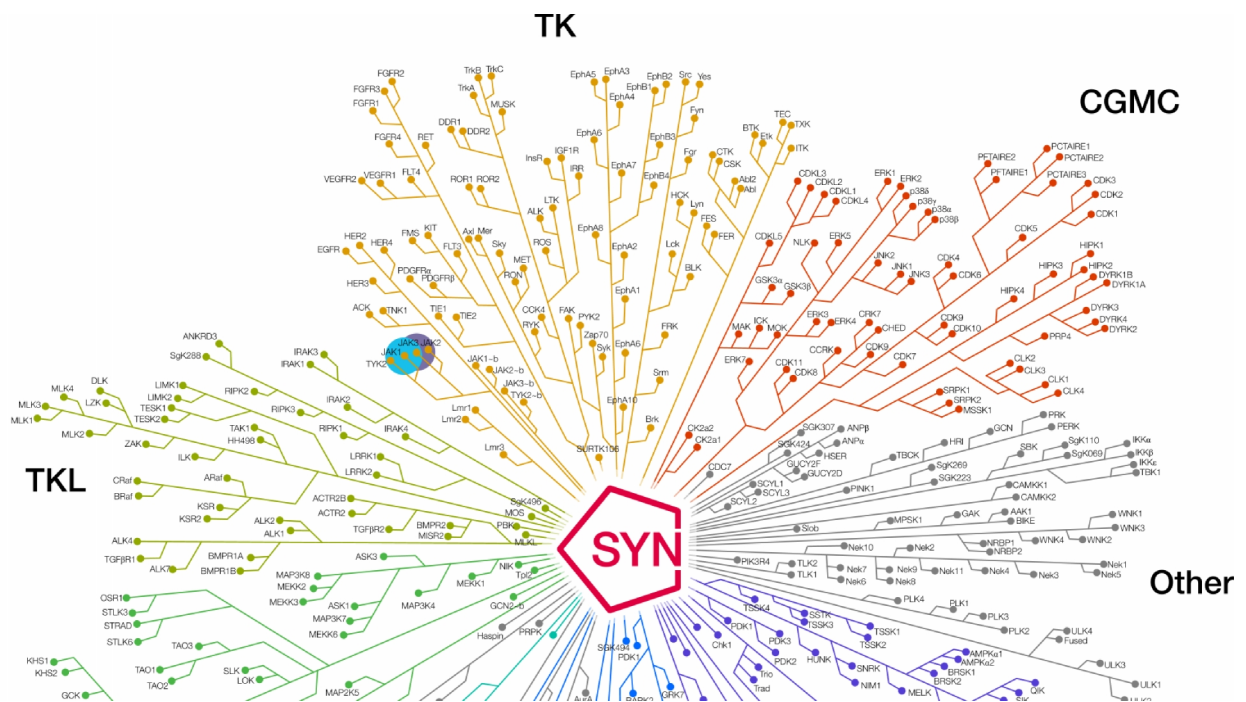
Description:

CEP-33779 is a highly selective, orally active inhibitor for JAK2 with an IC₅₀ of 1.8 nM in enzyme and 61nM in cell activity. It inhibits JAK3 with an IC₅₀ of 150 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 93mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4626	4.6260	9.2520	23.1300

References

1. Stump KL, Lu LD, Dobrzanski P, Serdikoff C, Gingrich DE, Dugan BJ, Angeles TS, Albom MS, Ator MA, Dorsey BD, Ruggeri BA, Seavey MM. A highly selective, orally active inhibitor of Janus kinase 2, CEP-33779, ablates disease in two mouse models of rheumatoid arthritis. *Arthritis Res Ther.* 2011 Apr 21;13(2):R68. doi: 10.1186/ar3329.

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)