

TG101209

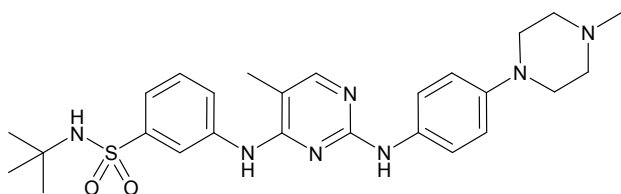
SYN-1103

N-tert-butyl-3-(5-methyl-2-(4-(4-methylpiperazin-1-yl)phenylamino)pyrimidin-4-ylamino)benzenesulfonamide

CAS Registry No.: 936091-14-4

Smiles String:

Cc1cnc(nc1Nc2cccc(c2)S(=O)(=O)NC(C)(C)C)Nc3ccc(cc3)N4CCN(CC4)C



Molecular Weight: 509.67

Molecular Formula: C₂₆H₃₅N₇O₂S

Lot Number: Refer to vial

¹H-NMR: Available on request

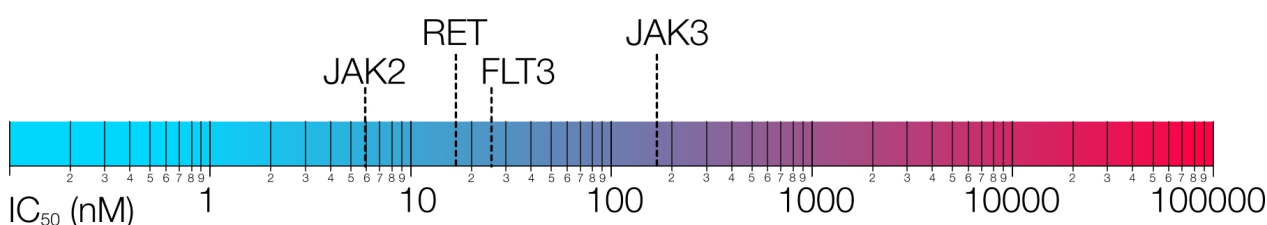
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

TG101209 is a potent, small molecule JAK2-selective kinase inhibitor with IC₅₀ values of 6, 25, 17 and 169 nM for JAK2, FLT3, RET and JAK3.

Biological Activity



Kinome Mapping

TK

TKL

CGMC

Other

SYN

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 102mg/mL, Ethanol 1mg/mL

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Preparing Stock Solutions				
Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5096	5.0967	10.1934	25.4835

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References

1. Pardanani A, Hood J, Lasho T, Levine RL, Martin MB, Noronha G, Finke C, Mak CC, Mesa R, Zhu H, Soll R, Gilliland DG, Tefferi A. TG101209, a small molecule JAK2-selective kinase inhibitor potently inhibits myeloproliferative disorder-associated JAK2V617F and MPLW515L/K mutations. Leukemia. 2007 Aug;21(8):1658-68. Epub 2007 May 31.

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)