

TG-89

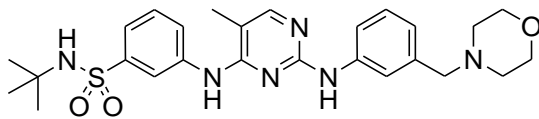
SYN-1107

Benzenesulfonamide, N-(1,1-dimethylethyl)-3-[[5-methyl-2-[[3-(4-morpholinylmethyl)phenyl]amino]-4-pyrimidinyl]amino]-

CAS Registry No.: 936091-56-4

Smiles String:

Cc1cnc(nc1Nc2cccc(c2)S(=O)(=O)NC(C)(C)C)Nc3cccc(c3)CN4CCOCC4



Molecular Weight: 510.65

Molecular Formula: C₂₆H₃₄N₆O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

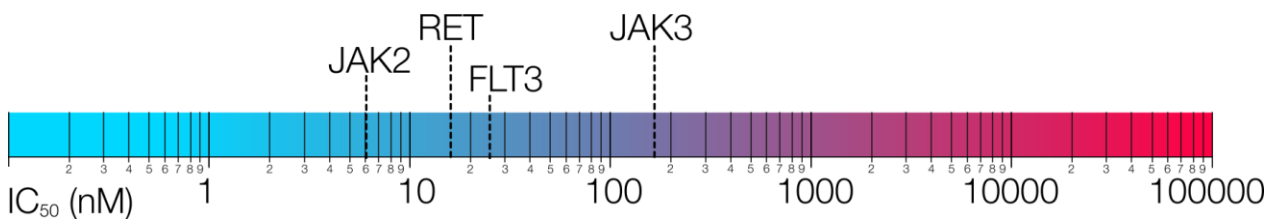
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

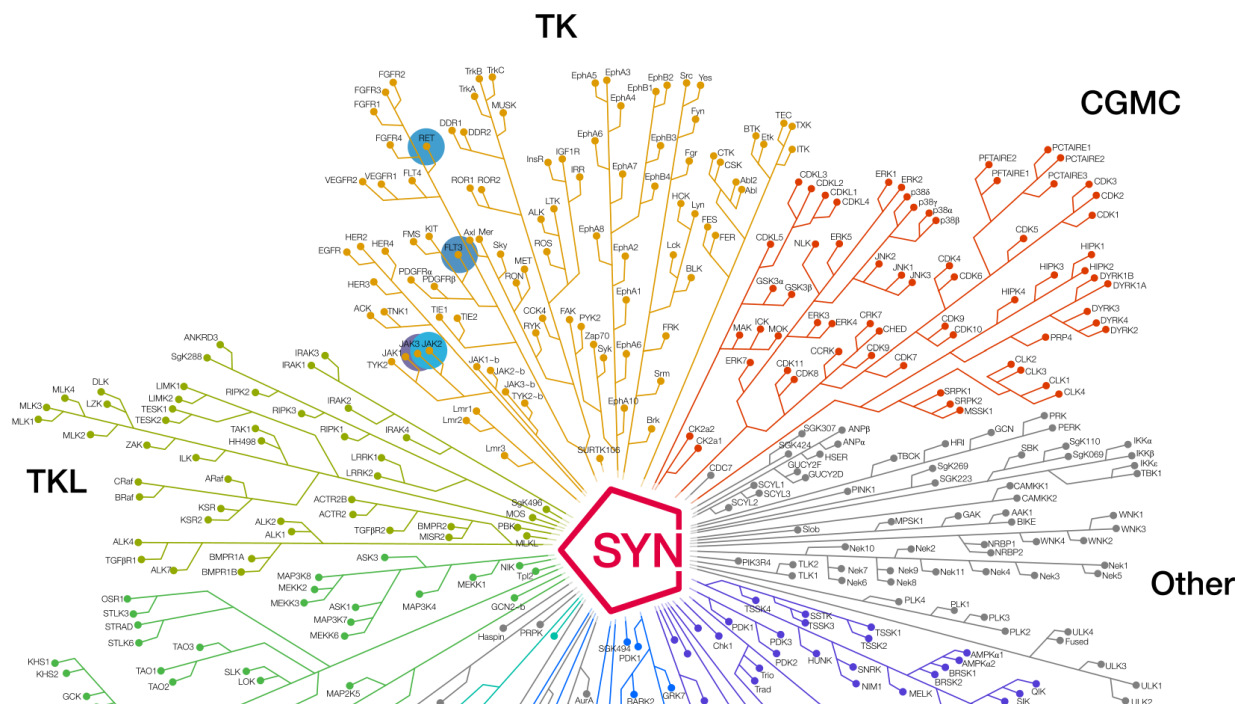
Description:

TG-89 is a JAK2 inhibitor with IC₅₀ of 11.2 μM in cells.

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 102mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5106	5.1065	10.2130	25.5325

References

1. Gorshkov, Kirill, Ni Sima, Wei Sun, Billy Lu, Wei Huang, Jameson Travers, Carleen Klumpp-Thomas, et al. 'Quantitative Chemotherapeutic Profiling of Gynecologic Cancer Cell Lines Using Approved Drugs and Bioactive Compounds'. *Translational Oncology* 12, no. 3 (March 2019): 441–52.

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. 1.2)