

TG-46

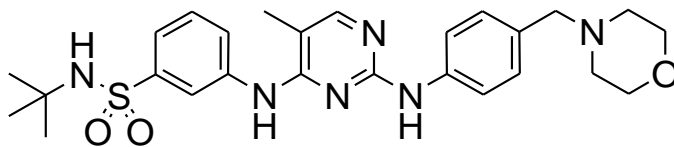
SYN-1106

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

**CAS Registry No.:** 936091-15-5

**Smiles String:**

Cc1cnc(nc1Nc2cccc(c2)S(=O)(=O)NC(C)(C)C)Nc3ccc(cc3)CN4CCOCC4



**Molecular Weight:** 510.65

**Molecular Formula:** C<sub>26</sub>H<sub>34</sub>N<sub>6</sub>O<sub>3</sub>S

**Lot Number:** Refer to vial

**<sup>1</sup>H-NMR:** Available on request

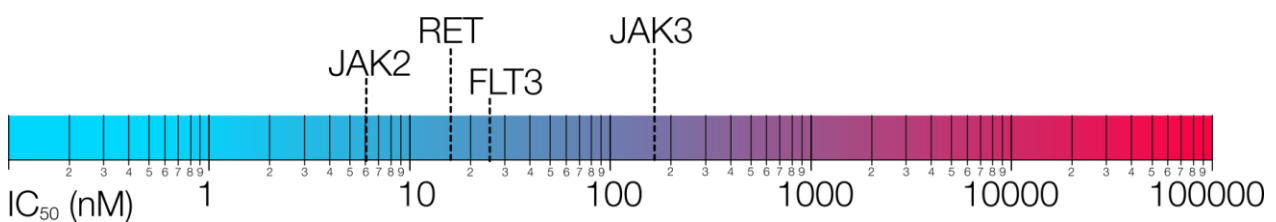
**HPLC (Purity):** > 95.0% @ 254 nm

**ES-MS:** Available on request

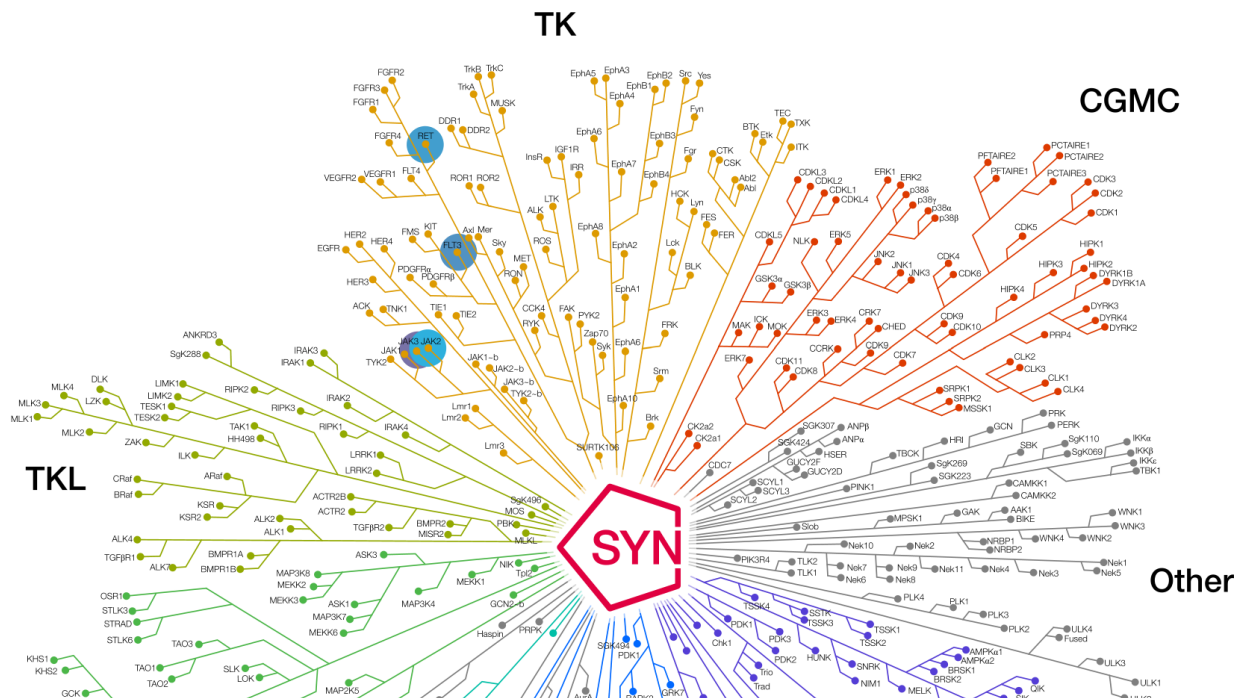
## Description:

TG-46 is a JAK2 inhibitor with IC<sub>50</sub> of 9.59 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.

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## Ordering Information

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Product Datasheet (Rev. 1.2)