

Bayer-18

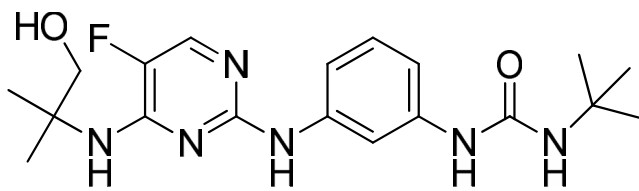
SYN-1130

1-tert-butyl-3-[3-[[5-fluoro-4-[(2-hydroxy-1,1-dimethyl-ethyl)amino]pyrimidin-2-yl]amino]phenyl]urea

CAS Registry No.: 1251752-12-1

Smiles String:

CC(C)(C)NC(=O)Nc1cccc(c1)Nc2nc(c(n2)N
C(C)(C)CO)F



Molecular Weight: 390.46

Molecular Formula: C₁₉H₂₇FN₆O₂

Lot Number: Refer to vial

¹H-NMR: Available on request

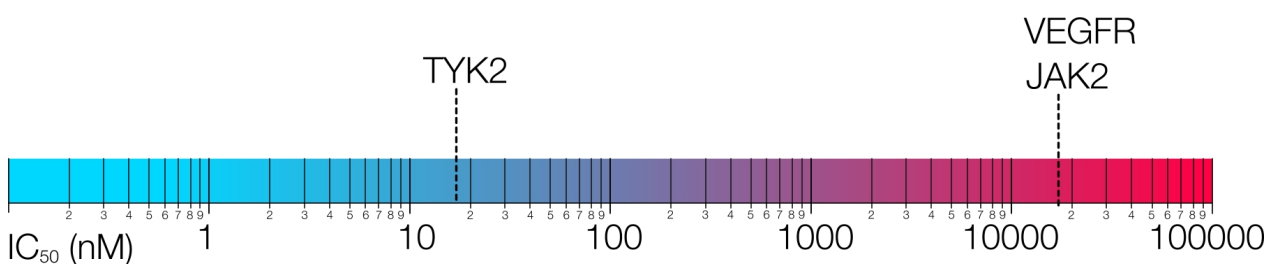
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

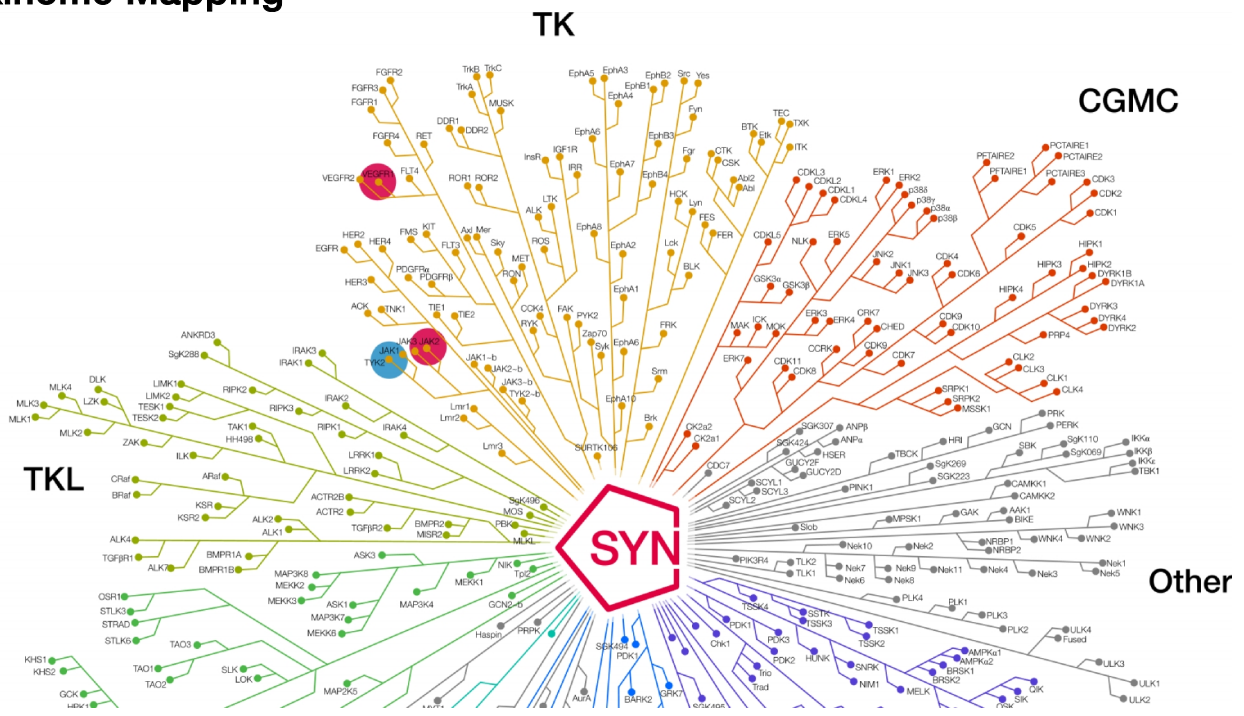
Description:

Bayer-18 is a selective TYK2 inhibitor, with an IC₅₀ of 18.7nM on TYK2 as measured by TYK2 HTRF assays. The compound shows 1000 fold selectivity against JAK2, CDK and KDR kinases in similar HTRF assays.

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

15 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3905	3.9050	7.8100	19.5250

References

1. <http://www.freepatentsonline.com/DE102009015070.html>.

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)