

TAE684

SYN-1159

5-chloro-N4-(2-(isopropylsulfonyl)phenyl)-N2-(2-methoxy-4-(4-(4-methylpiperazin-1-yl)piperidin-1-yl)phenyl)pyrimidine-2,4-diamine

CAS Registry No.: 761439-42-3

Smiles String:

CC(C)S(=O)(=O)c1ccccc1Nc2c(cnc(n2)Nc3ccc(cc3OC)N4CCC(CC4)N5CCN(CC5)C)Cl

Molecular Weight: 614.2

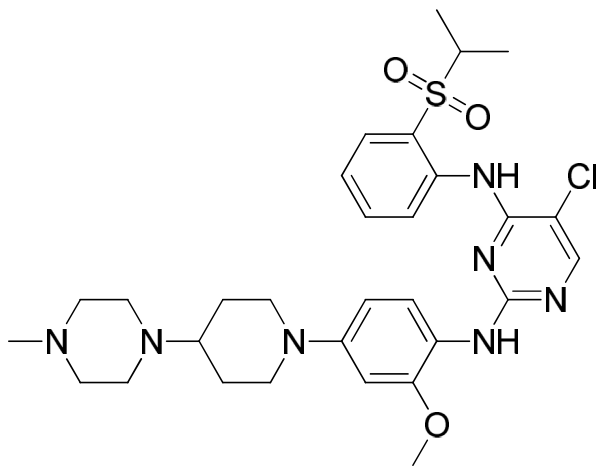
Molecular Formula: C₃₀H₄₀ClN₇O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

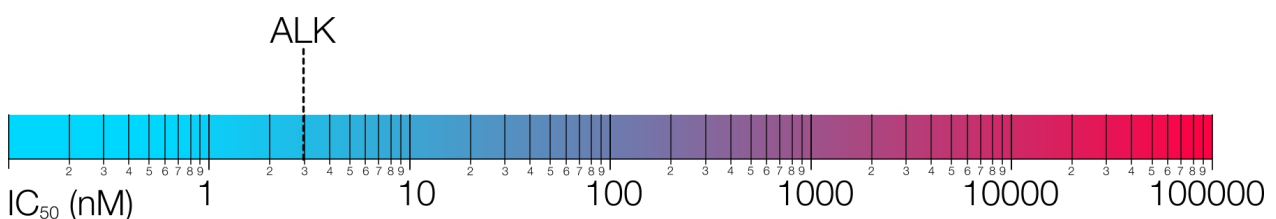
ES-MS: Available on request



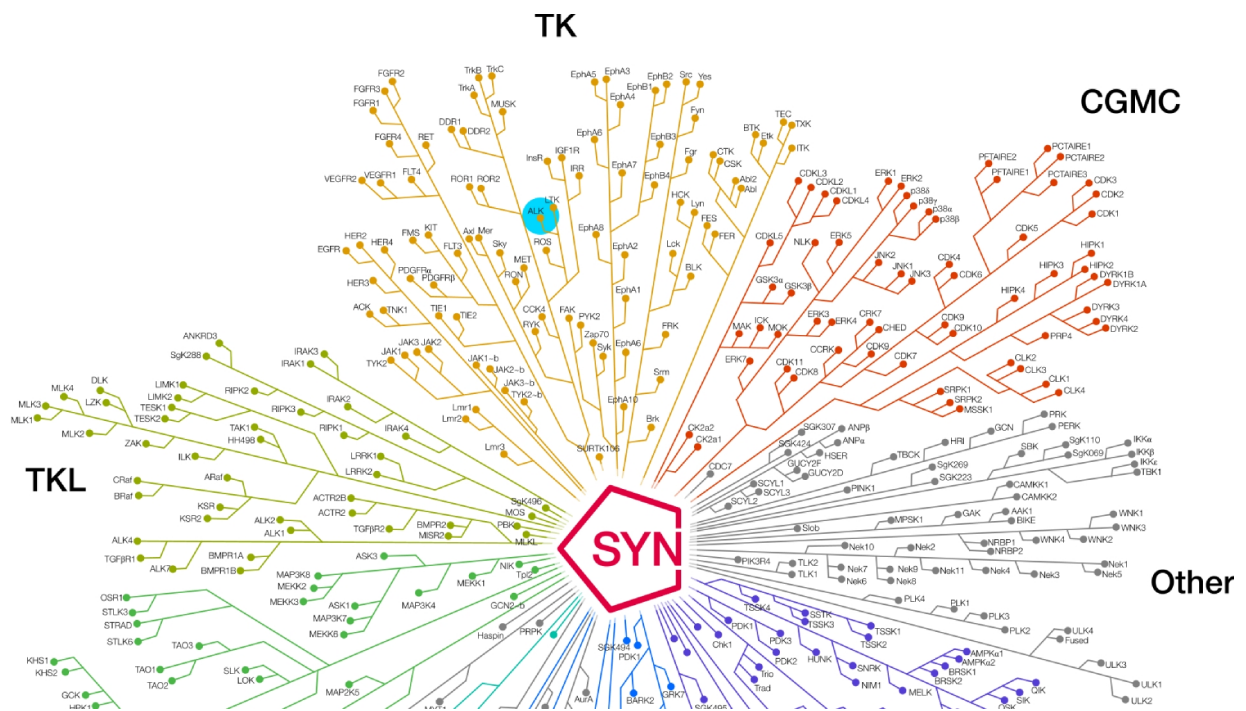
Description:

TAE684 is a potent and selective ALK inhibitor with an IC₅₀ of 3 nM. It is 100-fold more sensitive for ALK over InsR.

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 30mg/mL, Ethanol 2mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.6142	6.1420	12.2840	31.7100

References

1. Galkin AV, Melnick JS, Kim S, Hood TL, Li N, Li L, Xia G, Steensma R, Chopiuk G, Jiang J, Wan Y, Ding P, Liu Y, Sun F, Schultz PG, Gray NS, Warmuth M. Identification of NVP-TAE684, a potent, selective, and efficacious inhibitor of NPM-ALK. Proc Natl Acad Sci U S A. 2007 Jan 2;104(1):270-5. Epub 2006 Dec 21.

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)