

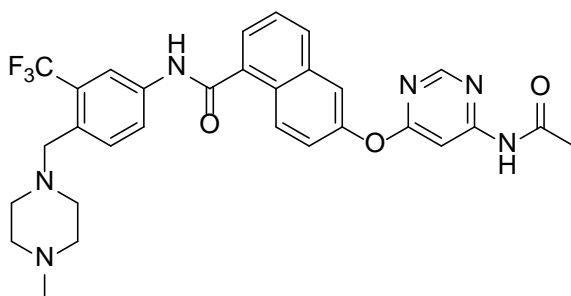
BGG463**SYN-1226**

6-((6-acetamidopyrimidin-4-yl)oxy)-N-(4-((4-methylpiperazin-1-yl)methyl)-3-(trifluoromethyl)phenyl)-1-naphthamide

CAS Registry No.: 890129-26-7

Smiles String:

```
CN(CC1)CCN1CC2=C(C(F)(F)F)C=C(NC(C3=C(C=CC(OC4=CC(NC(C)=O)=NC=N4)=C5)C5=CC=C3)=O)C=C2
```



Molecular Weight: 578.58

Molecular Formula: C₃₀H₂₉F₃N₆O₃

Lot Number: Refer to vial

¹H-NMR: Available on request

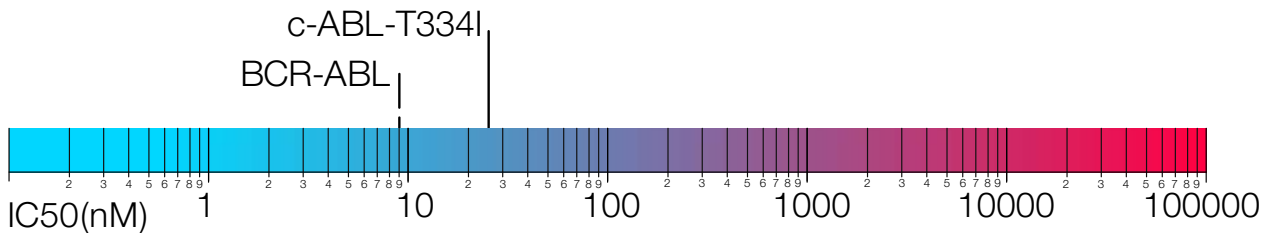
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

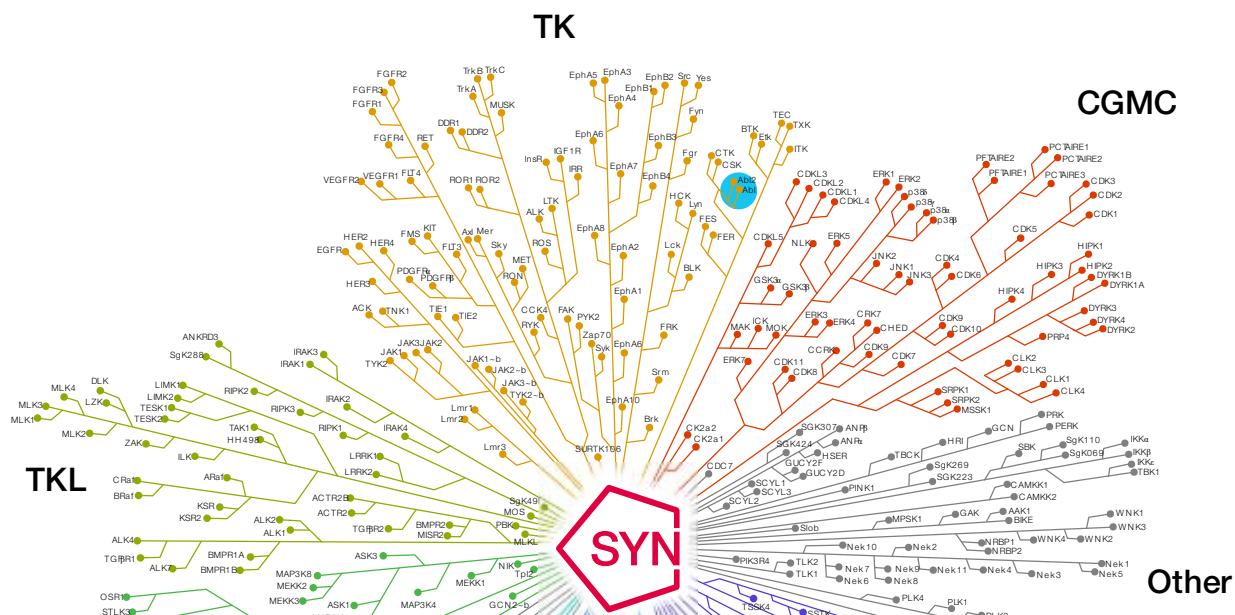
Description:

BGG463 (NVP-BGG463) was generated by a rational 'hybrid design' approach. Like Imatinib, BGG463 disrupts the assembly of the hydrophobic spine, a characteristic feature of the active state of several kinases, thereby locking the kinase in an inactive 'DFG-out' conformation. BGG463 can inhibit c-ABL-T334I, BCR-ABL and BCR-ABL-T315I variants with a 50% inhibitory concentration (IC₅₀) of 0.25 μM, 0.09 μM and 0.590 μM, respectively.

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

Soluble in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.579	5.786	11.572	28.929

References

1. Manley, P. W., et al. "Rational design of T315I BCR-Abl inhibitors for the treatment of drug-resistant chronic myelogenous leukemia (CML): BGG463." *Chimia (Aarau)* 62.7-8 (2008): 579.

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)