

GNE 477

SYN-1148

5-(7-methyl-6-((4-(methylsulfonyl)piperazin-1-yl)methyl)-4-morpholinothieno[3,2-d]pyrimidin-2-yl)pyrimidin-2-amine

CAS Registry No.: 1032754-81-6

Smiles String:

Cc1c(sc2c1nc(nc2N3CCOCC3)c4cnc(nc4N)CN5CCN(CC5)S(=O)(=O)C

Molecular Weight: 504.63

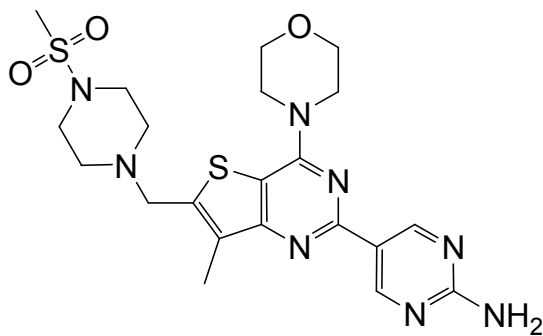
Molecular Formula: C₂₁H₂₈N₈O₃S₂

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

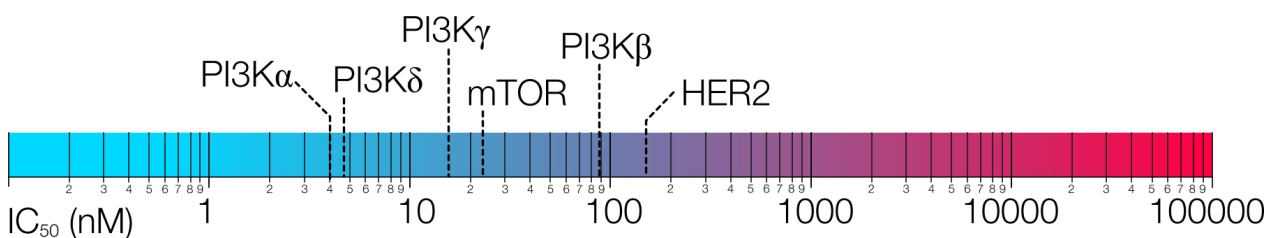
ES-MS: Available on request



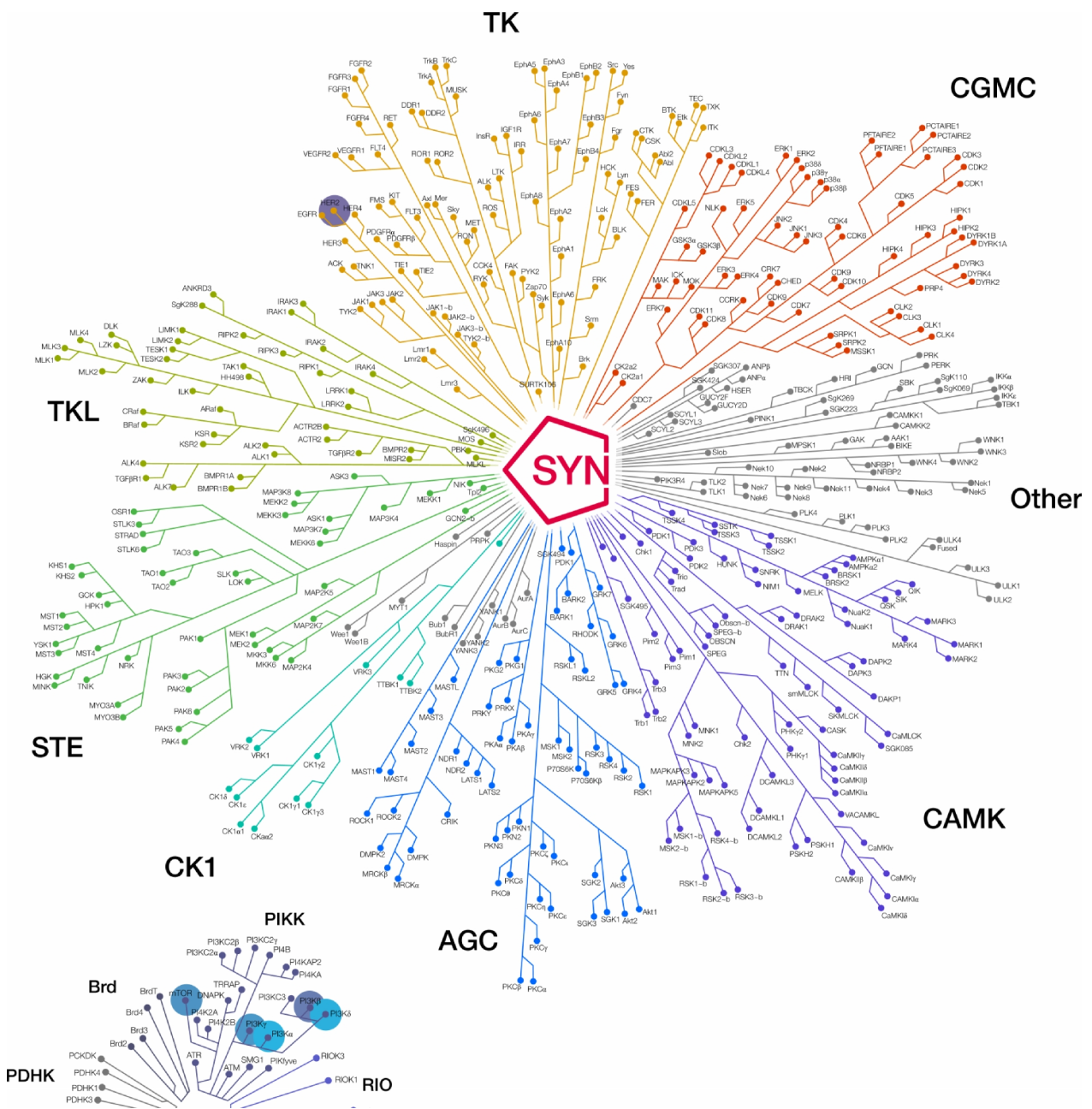
Description:

GNE 477 is a potent and efficacious dual PI3K/mTOR inhibitor with an IC₅₀ value of 4nmol/L and 21nmol/L 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

15 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5047	5.0470	10.0940	25.2350

References

1. Heffron TP, Berry M, Castanedo G, Chang C, Chuckowree I, Dotson J, Folkes A, Gunzner J, Lesnick JD, Lewis C, Mathieu S, Nonomiya J, Olivero A, Pang J, Peterson D, Salphati L, Sampath D, Sideris S, Sutherlin DP, Tsui V, Wan NC, Wang S, Wong S, Zhu BY. Identification of GNE-477, a potent and efficacious dual PI3K/mTOR inhibitor. *Bioorg Med Chem Lett*. 2010 Apr 15;20(8):2408-11. doi: 10.1016/j.bmcl.2010.03.046. Epub 2010 Mar 12.

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)