

# NIBR-17

# SYN-1145

5-(6-(6-methoxypyridin-3-ylamino)-2-morpholinopyrimidin-4-yl)pyrimidin-2-amine

CAS Registry No.: 944396-88-7

Smiles String:

COC1=CC=C(NC2=CC=NC(=N2)N3CCOCC3)C4=CN(C=C4)N

Molecular Weight: 380.4

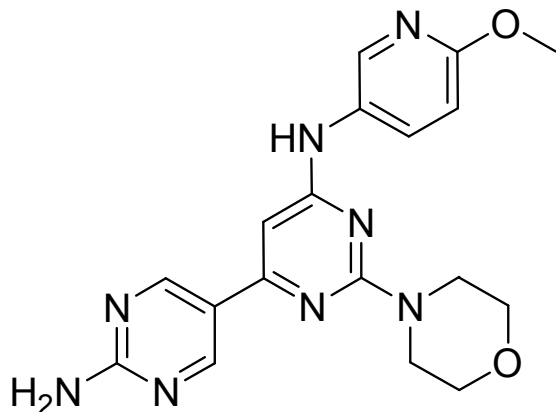
Molecular Formula: C<sub>18</sub>H<sub>20</sub>N<sub>8</sub>O<sub>2</sub>

Lot Number: Refer to vial

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

HPLC (Purity): > 95.0% @ 254 nm

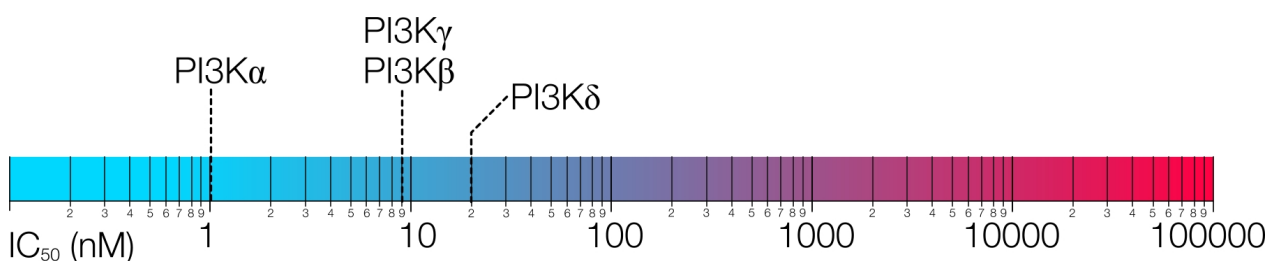
ES-MS: Available on request



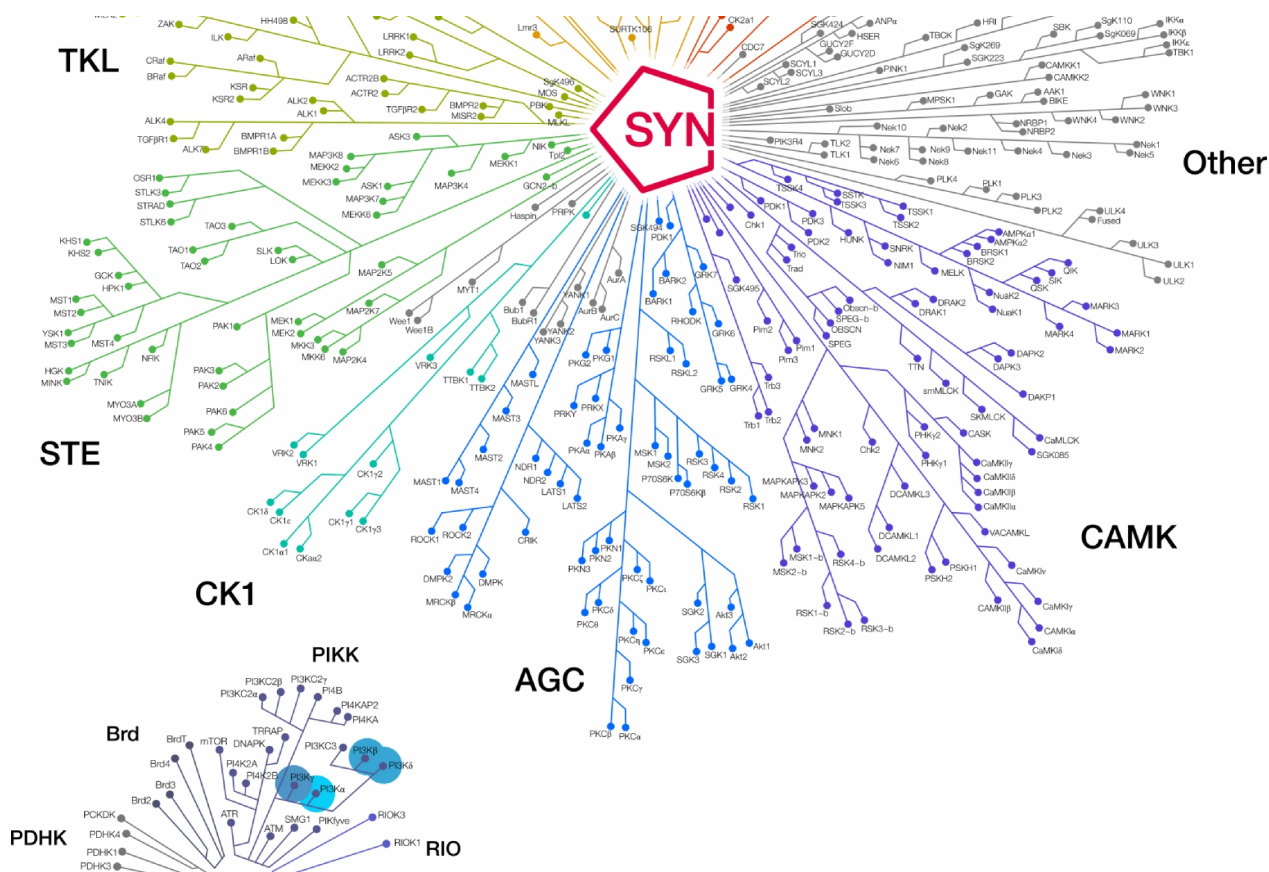
## Description:

NIBR-17 is a pan class I PI3K inhibitor with IC<sub>50</sub> values of 1, 9.2, 9 and 20 nM respectively for PI3K $\alpha$  - delta.

## 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<br>(1ml DMSO) | 1mM    | 10mM   | 20mM   | 50mM    |
|------------------------------|--------|--------|--------|---------|
| Mass(mg)                     | 0.3804 | 3.8040 | 7.6080 | 19.0200 |

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## References

1. Burger MT, Knapp M, Wagman A, Ni ZJ, Hendrickson T, Atallah G, Zhang Y, Frazier K, Verhagen J, Pfister K, Ng S, Smith A, Bartulis S, Merrit H, Weismann M, Xin X, Haznedar J, Voliva CF, Iwanowicz E, Pecchi S. Synthesis and in Vitro and in Vivo Evaluation of Phosphoinositide-3-kinase Inhibitors. ACS Med Chem Lett. 2010 Oct 13;2(1):34-8. doi: 10.1021/ml1001932. eCollection 2011.

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## Ordering Information

To order more of this or any other SYNkinase compound, go to [synkinase.com](http://synkinase.com), Call us Toll Free (US Only) at 1- 877-854-6273 or email [orders@synkinase.com](mailto:orders@synkinase.com).

Product Datasheet (Rev. 1.1)