

**GDC-0941**

**SYN-1041**

2-(1H-indazol-4-yl)-6-((4-(methylsulfonyl)piperazin-1-yl)methyl)-4-morpholinothieno[3,2-d]pyrimidine

CAS Registry No.: 957054-30-7

Smiles String:

CS(=O)(=O)N1CCN(CC1)Cc2cc3c(s2)c(nc(n3)c4cccc5c4cn[nH]5)N6CCOCC6

Molecular Weight: 513.64

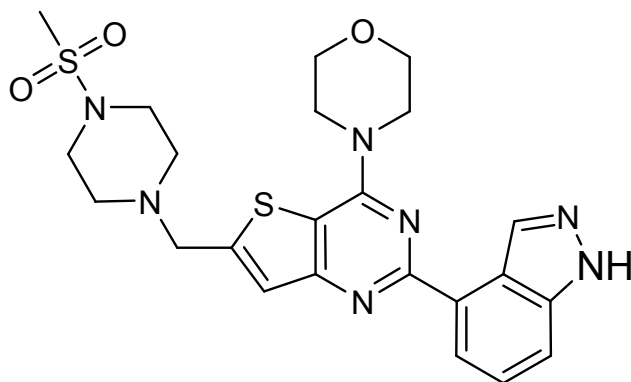
Molecular Formula: C<sub>23</sub>H<sub>27</sub>N<sub>7</sub>O<sub>3</sub>S<sub>2</sub>

Lot Number: Refer to vial

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

HPLC (Purity): > 95.0% @ 254 nm

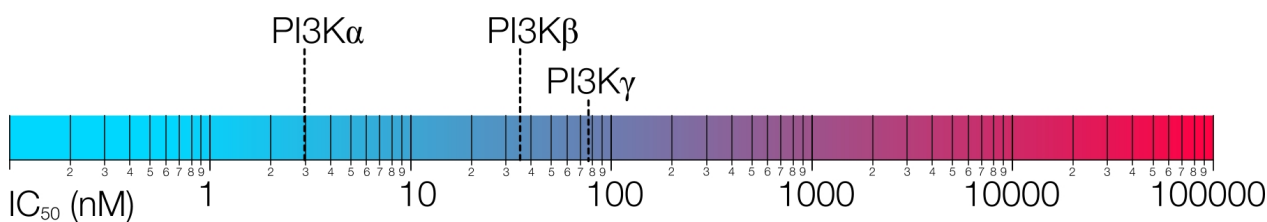
ES-MS: Available on request



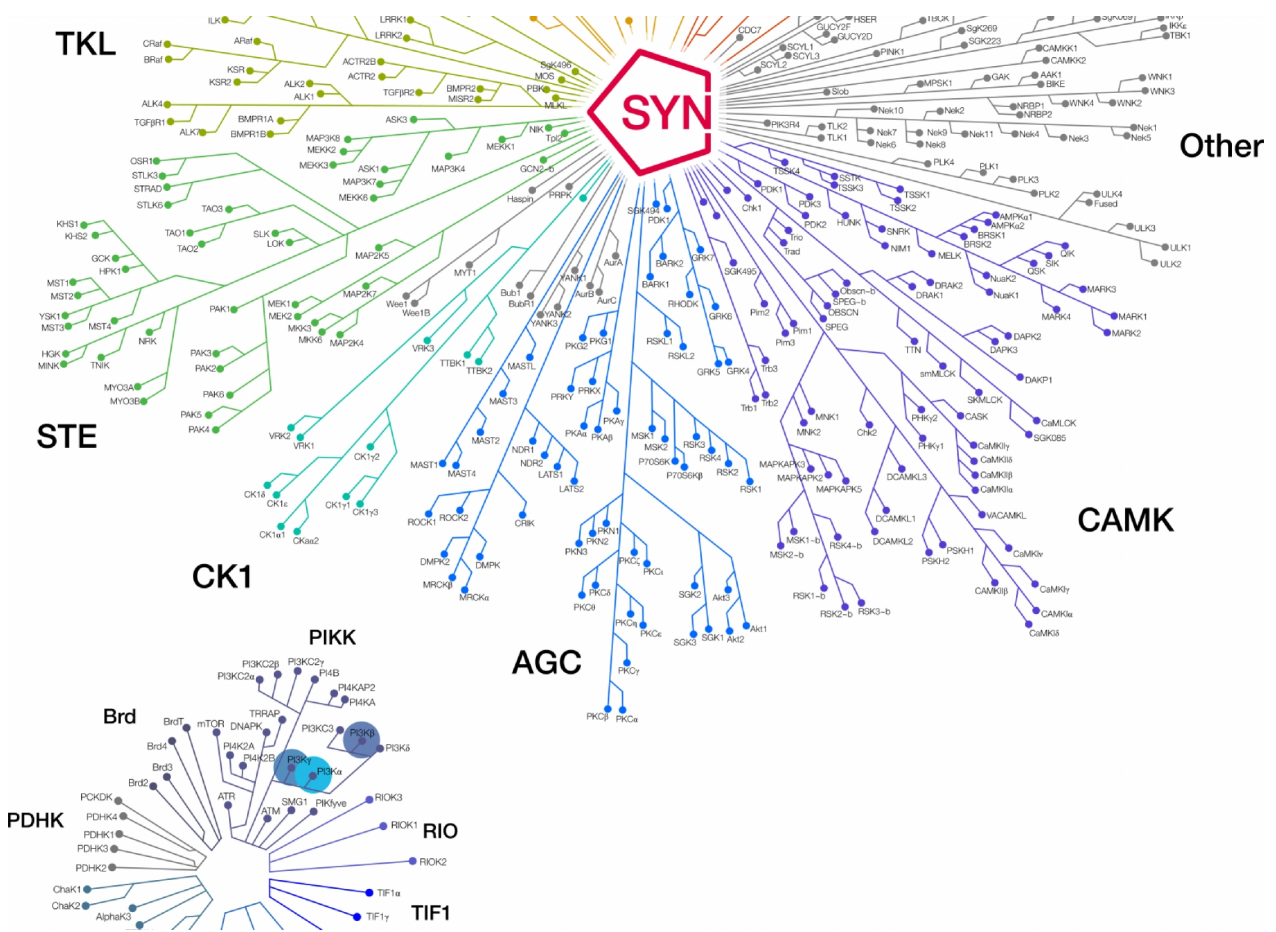
## Description:

GDC-0941 is a potent class I PI3 kinase (PI3K) inhibitor. It selectively binds to PI3K isoforms in an ATP-competitive manner. It has an IC<sub>50</sub> of 3 nM, and shows slight selectivity toward p110beta (11-fold) and p110gamma (25-fold).

## 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 44mg/mL, Ethanol <1mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5137	5.1370	10.2740	25.6850

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## References

1. Chiu SW, Ho SC, Hung YC, Lee YH . [Combined CA-125 test and ultrasonography in the presurgical evaluation of ovarian mass]. Gaoxiong Yi Xue Ke Xue Za Zhi. 1991 Aug;7(8):429-34.

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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)