

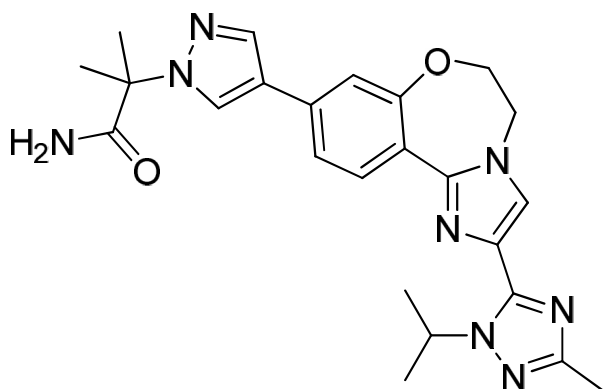
**GDC-0032****SYN-1202**

2-(4-(2-(1-isopropyl-3-methyl-1H-1,2,4-triazol-5-yl)-5,6-dihydrobenzo[f]imidazo[1,2-d][1,4]oxazepin-9-yl)-1H-pyrazol-1-yl)-2-methylpropanamide

CAS Registry No.: 1282512-48-4

**Smiles String:**

```
CC1=NN(C(C)C)C(C2=CN3C(C4=CC=C(C(C5=CN(C(C)C)C(N)=O)N=C5)C=C4OCC3)=N2)=N1
```



Molecular Weight: 460.53

Molecular Formula: C<sub>24</sub>H<sub>28</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

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**Description:**

GDC-0032 is a potent, next-generation  $\beta$  isoform-sparing PI3K inhibitor targeting PI3K $\alpha$  /  $\delta$  /  $\gamma$  with  $K_i$  of 0.29 nM/0.12 nM/0.97nM. PI3K $\beta$  has a  $K_i$  of 10nM.

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**Biological Activity**

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**Kinome Mapping**

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## Shipping and Storage Temperature

### Shipping:

Ambient

### Storage:

2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

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## Solubility

DMSO < 1 mg/mL, Ethanol < 1mg/mL

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## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4605	4.6053	9.2106	23.0265

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## References

1. Ndubaku CO, Heffron TP, Staben ST, Baumgardner M, Blaquiére N, Bradley E, Bull R, Do S, Dotson J, Dudley D, Edgar KA, Friedman LS, Goldsmith R, Heald RA, Kolesnikov A, Lee L, Lewis C, Nannini M, Nonomiya J, Pang J, Price S, Prior WW, Salphati L, Sideris S, Wallin JJ, Wang L, Wei B, Sampath D, Olivero AG. Discovery of 2-{3-[2-(1-isopropyl-3-methyl-1H-1,2,4-triazol-5-yl)-5,6-dihydrobenzo[f]imidazo[1,2-d][1,4]oxazepin-9-yl]-1H-pyrazol-1-yl}-2-methylpropanamide (GDC-0032): a  $\beta$ -sparing phosphoinositide 3-kinase inhibitor with high unbound exposure and robust in vivo antitumor activity. J Med Chem. 2013 Jun 13;56(11):4597-610. doi: 10.1021/jm4003632. Epub 2013 Jun 3. PubMed PMID: 23662903.

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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)