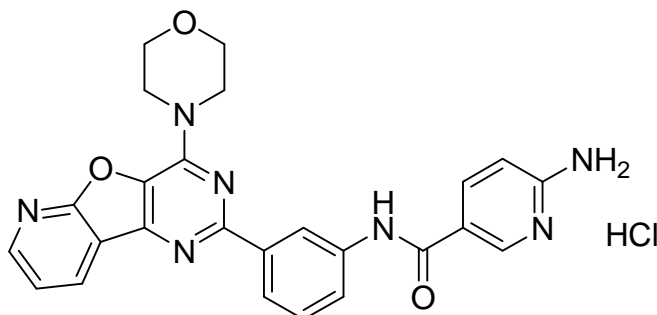


6-amino-N-[3-[4-(4-morpholinyl)pyrido[3',2':4,5]furo[3,2-d]pyrimidin-2-yl]phenyl]-3-Pyridinecarboxamide hydrochloride

CAS Registry No.: 371942-69-7 (free base)

Smiles String:

C1COCCN1C2=NC(=NC3=C2OC4=C3C=CC=N4)C5=CC(=CC=C5)NC(=O)C6=CN=C(C=C6)N.Cl



Molecular Weight: 503.94

Molecular Formula: C<sub>25</sub>H<sub>21</sub>N<sub>7</sub>O<sub>3</sub>.HCl

Lot Number: Refer to vial

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

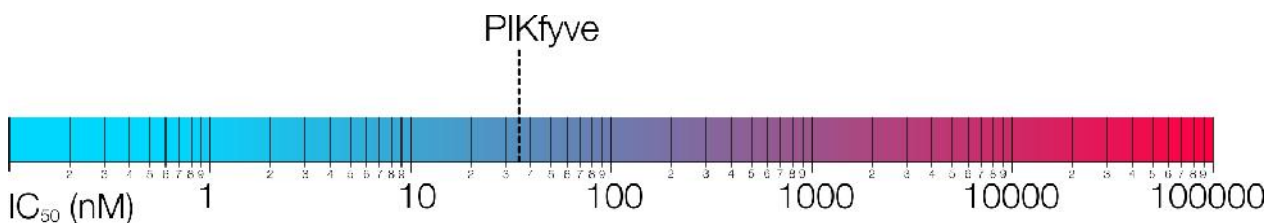
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

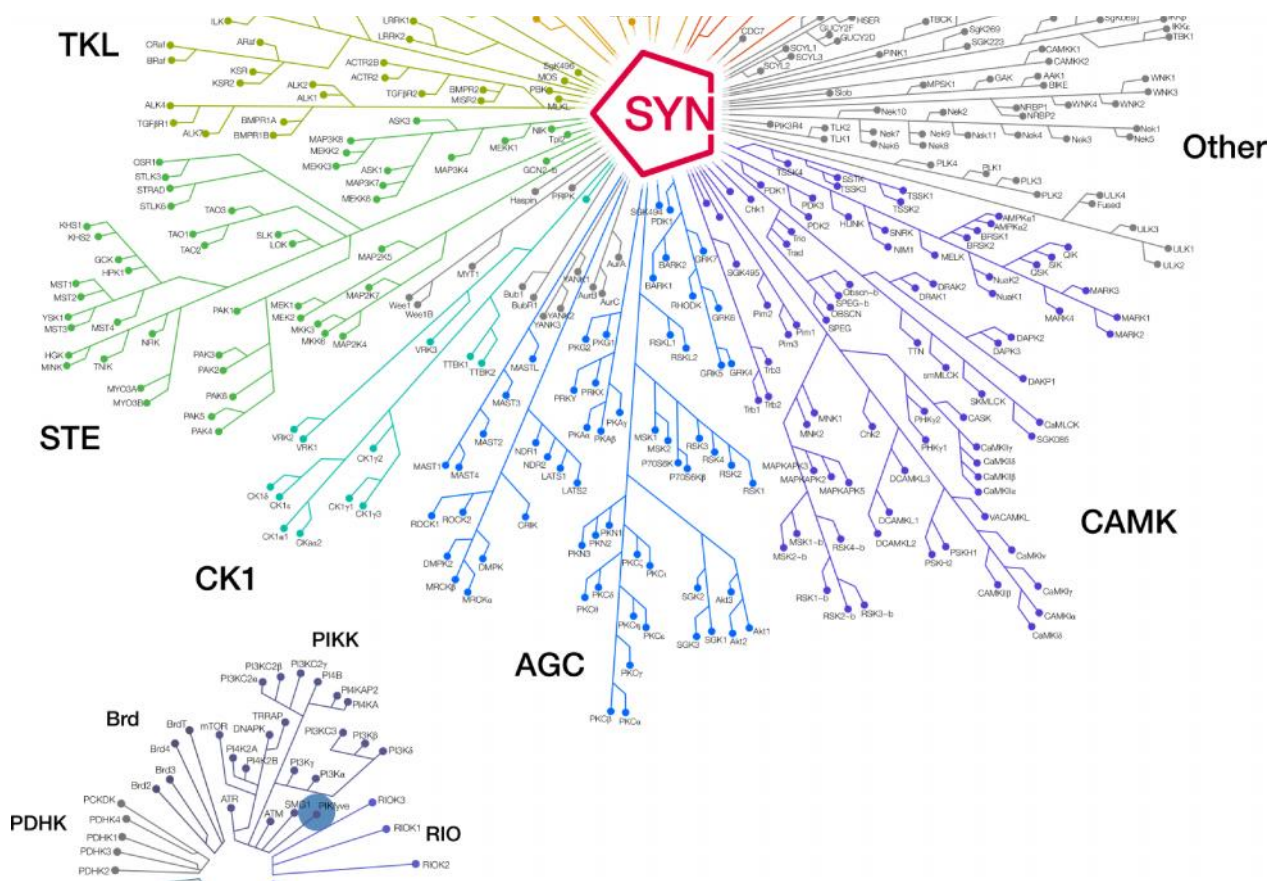
## Description:

YM-201636 is a cell-permeable and selective inhibitor of PIKfyve (IC<sub>50</sub> of 33nM). It disrupts retroviral budding from cells, apparently by interfering with the endosomal sorting complex required for transport (ESCRT) machinery. In adipocytes, YM-201636 also inhibits basal and insulin-activated 2-deoxyglucose uptake (IC<sub>50</sub> of 54nM).

## 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 35mg/mL, Ethanol <1mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5039	5.0394	10.0788	25.1970

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## References

1. Jefferies HB, Cooke FT, Jat P, Boucheron C, Koizumi T, Hayakawa M, Kaizawa H, Ohishi T, Workman P, Waterfield MD, Parker PJ. A selective PIKfyve inhibitor blocks PtdIns(3,5)P(2) production and disrupts endomembrane transport and retroviral budding. EMBO Rep. 2008 Feb;9(2):164-70. doi: 10.1038/sj.embor.7401155. Epub 2008 Jan 11.

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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)