

AZD2014

SYN-1167

3-(2,4-bis((S)-3-methylmorpholino)pyrido[2,3-d]pyrimidin-7-yl)-N-methylbenzamide

CAS Registry No.: 1009298-59-2

Smiles String:

C[C@H]1COCCN1c2c3ccc(nc3nc(n2)N4COC[C@@H]4C)c5cccc(c5)C(=O)NC

Molecular Weight: 462.54

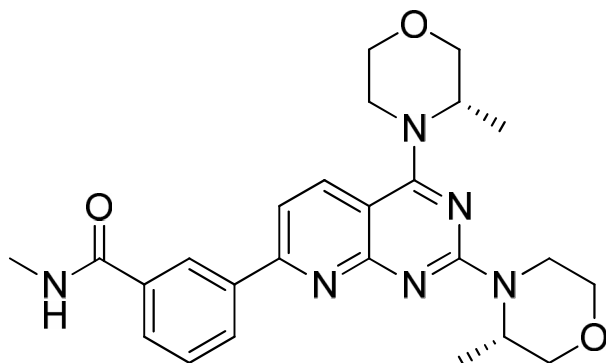
Molecular Formula: C₂₅H₃₀N₆O₃

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

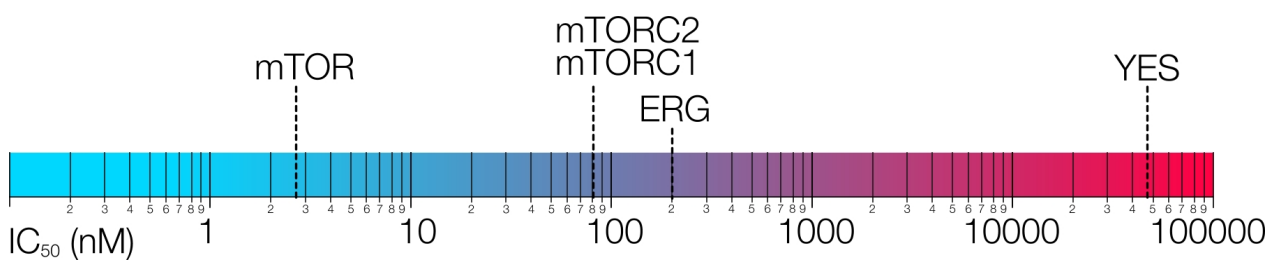
ES-MS: Available on request



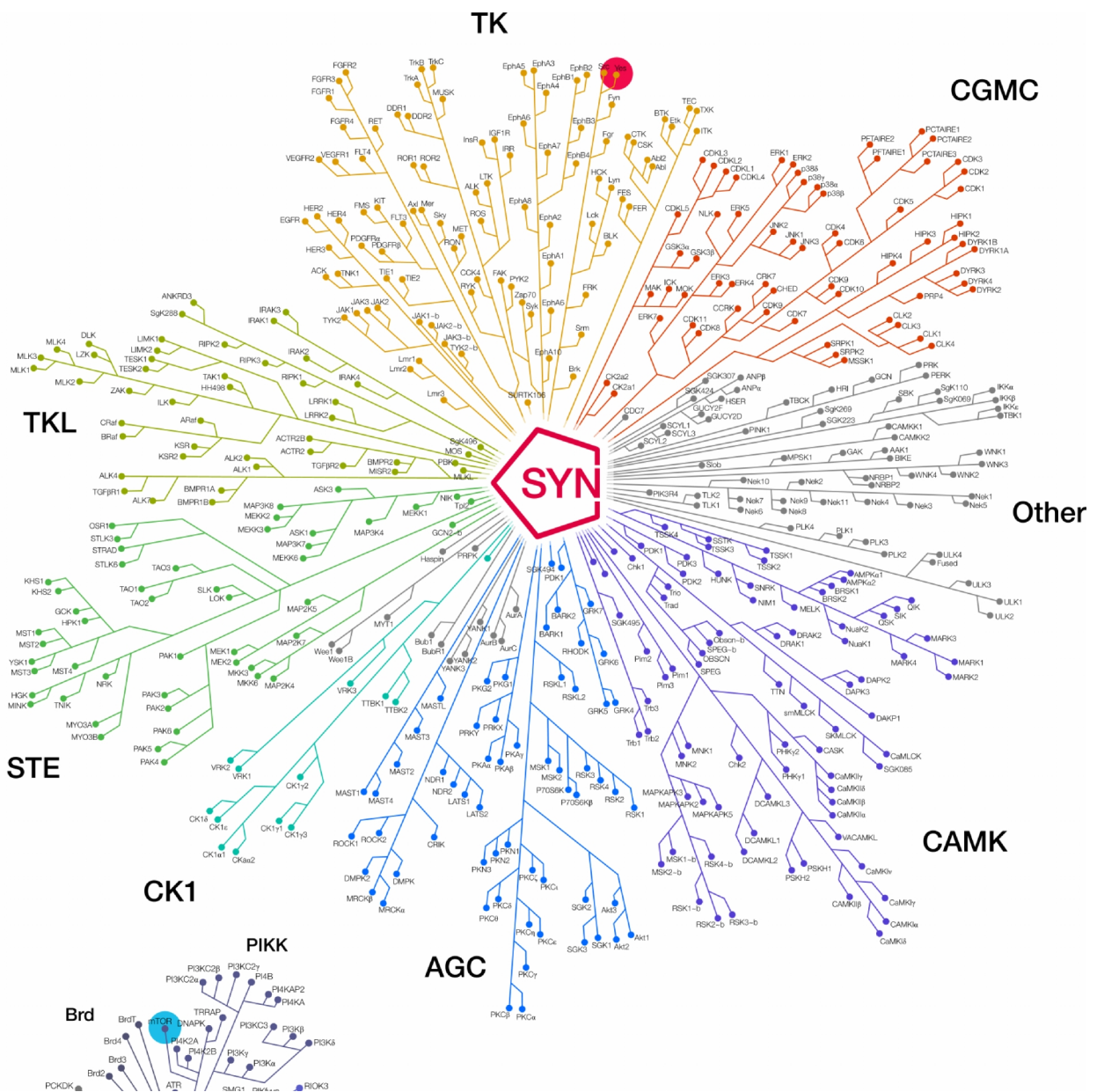
Description:

AZD2014 is a dual mTORC1/ mTORC2 inhibitor for the treatment of advanced solid malignancies.

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 38mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4626	4.6260	9.2520	23.1300

References

1. Pike KG, Malagu K, Hummersone MG, Menear KA, Duggan HM, Gomez S, Martin NM, Ruston L, Pass SL, Pass M. Optimization of potent and selective dual mTORC1 and mTORC2 inhibitors: the discovery of AZD8055 and AZD2014. *Bioorg Med Chem Lett*. 2013 Mar 1;23(5):1212-6. doi: 10.1016/j.bmcl.2013.01.019. Epub 2013 Jan 18. PubMed PMID: 23375793.

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)