

3-[4-(4-morpholinyl)pyrido[3',2':4,5]furo[3,2-d]pyrimidin-2-yl]-Phenol

CAS Registry No.: 371935-74-9

Smiles String:

c1cc(cc(c1)O)c2nc3c4cccnc4oc3c(n2)N5COC5

Molecular Weight: 348.36

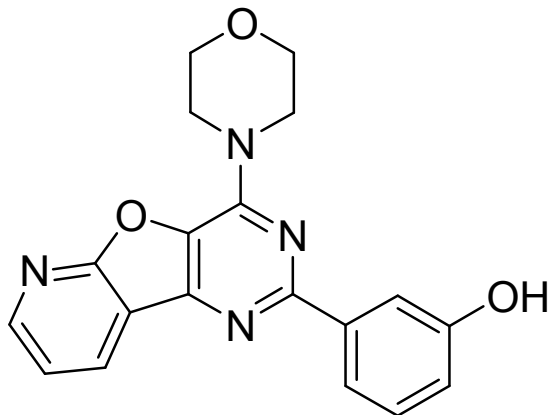
Molecular Formula: C₁₉H₁₆N₄O₃

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

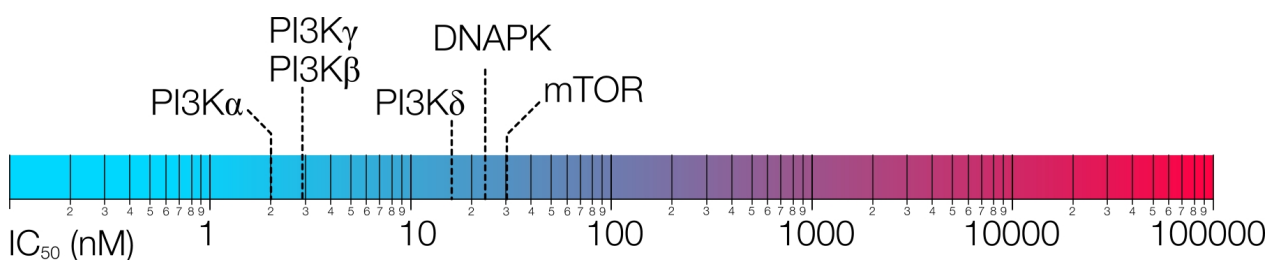
ES-MS: Available on request



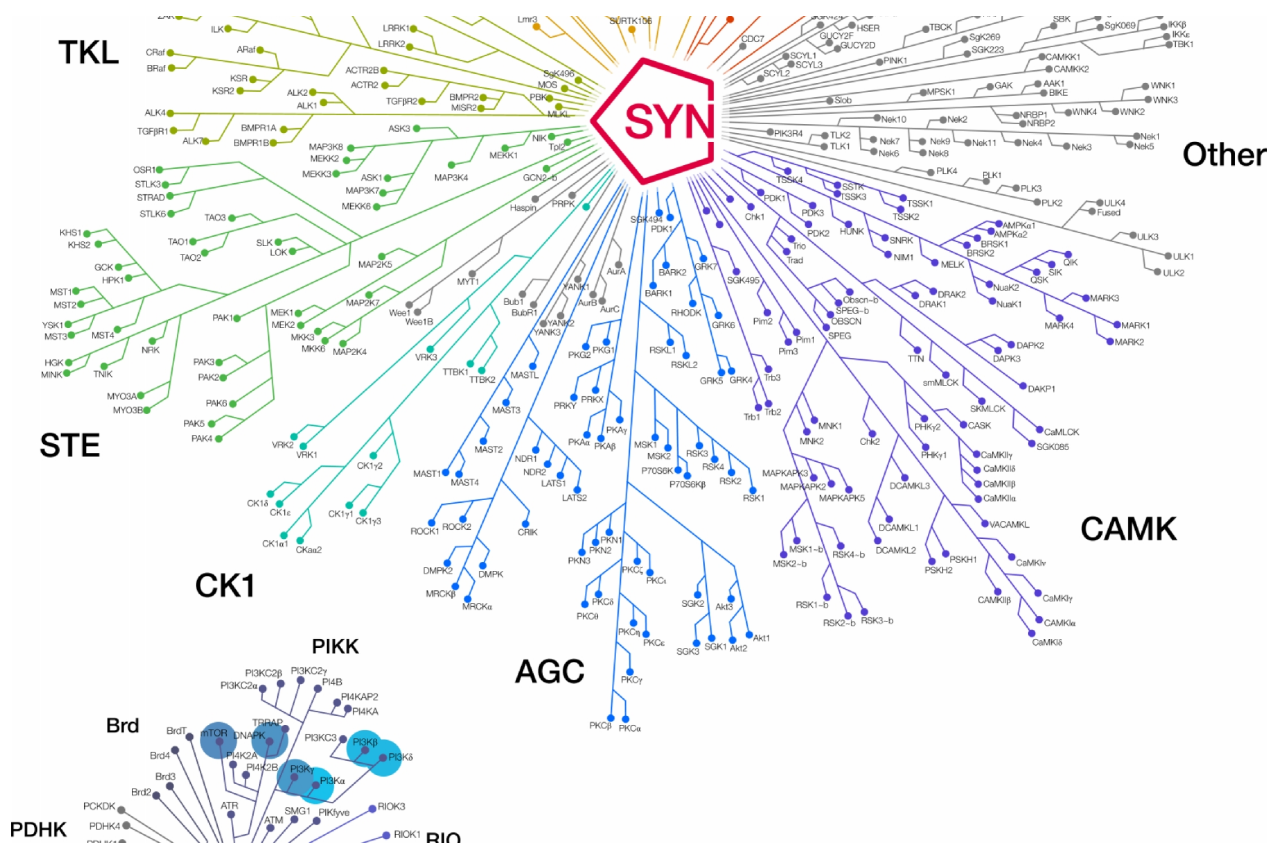
Description:

PI-103 is an isoform-selective class I PI3K and mTOR inhibitor. It has activity on p110alpha-delta with IC₅₀ values of 2 nM, 3 nM, 3 nM, 15 nM respectively. It is less potent against mTOR and DNAPK with IC₅₀ values of 30 nM and 23 nM respectively.

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 24mg/mL, Ethanol <1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3483	3.4836	6.9672	17.4180

References

1. Fan QW, Knight ZA, Goldenberg DD, Yu W, Mostov KE, Stokoe D, Shokat KM, Weiss WA . A dual PI3 kinase/mTOR inhibitor reveals emergent efficacy in glioma. Cancer Cell. 2006 May;9(5):341-9.

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)