

SU-6668

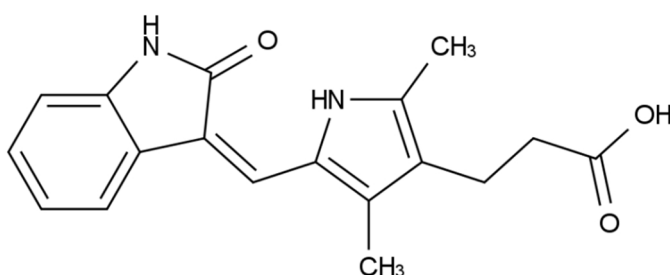
SYN-1085

3-(2,4-dimethyl-5-((Z)-(2-oxoindolin-3-ylidene)methyl)-1H-pyrrol-3-yl)propanoic acid

CAS Registry No.: 252916-29-3

Smiles String:

Cc1c(c([nH]c1/C=C\2/c3ccccc3NC2=O)C)CCC(=O)O



Molecular Weight: 310.35

Molecular Formula: C₁₈H₁₈N₂O₃

Lot Number: Refer to vial

¹H-NMR: Available on request

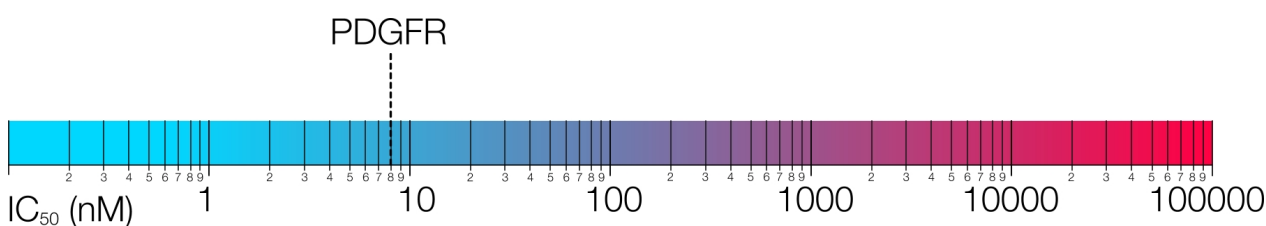
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

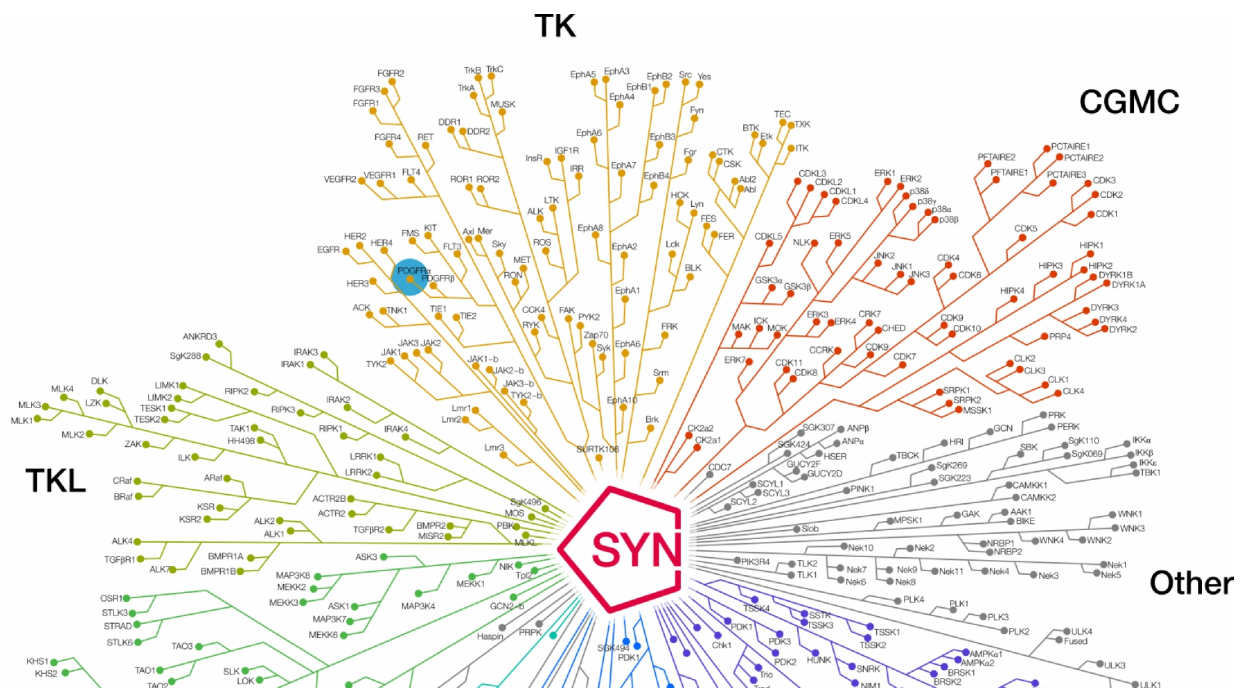
Description:

SU-6668 is a potent ATP-competitive PDGFR, VEGF and FGFR inhibitor. It has a K_i of 8 nM against PDGFR. It is an anti-angiogenic and anti-tumor agent that induces regression of established tumors.

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 62mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3103	3.1035	6.2070	15.5175

References

1. Sun L, Tran N, Liang C, Tang F, Rice A, Schreck R, Waltz K, Shawver LK, McMahon G, Tang C. Design, synthesis, and evaluations of substituted 3-[(3- or 4-carboxyethylpyrrol-2-yl)methylidene]indolin-2-ones as inhibitors of VEGF, FGF, and PDGF receptor tyrosine kinases. *J Med Chem.* 1999 Dec 16;42(25):5120-30.
2. Laird AD, Vajkoczy P, Shawver LK, Thurnher A, Liang C, Mohammadi M, Schlessinger J, Ullrich A, Hubbard SR, Blake RA, Fong TA, Strawn LM, Sun L, Tang C, Hawtin R, Tang F, Shenoy N, Hirth KP, McMahon G, Cherrington. SU6668 is a potent antiangiogenic and antitumor agent that induces regression of established tumors. *Cancer Res.* 2000 Aug 1;60(15):4152-60.
3. Yamamoto M, Kikuchi H, Ohta M, Kawabata T, Hiramatsu Y, Kondo K, Baba M, Kamiya K, Tanaka T, Kitagawa M, Konno H. TSU68 prevents liver metastasis of colon cancer xenografts by modulating the premetastatic niche. *Cancer Res.* 2008 Dec 1;68(23):9754-62. doi: 10.1158/0008-5472.CAN-08-1748.

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)