

Brivanib, BMS-540215

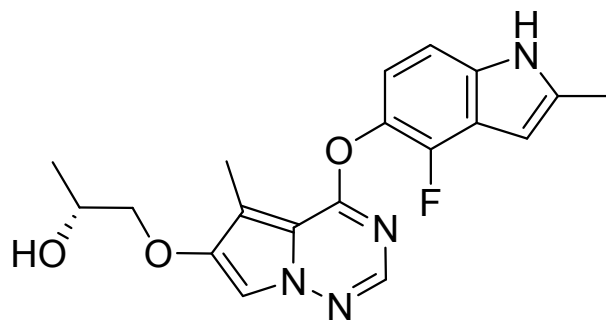
SYN-1134

(R)-1-(4-(4-fluoro-2-methyl-1H-indol-5-yloxy)-5-methylpyrrolo[1,2-f][1,2,4]triazin-6-yloxy)propan-2-ol

CAS Registry No.: 649735-46-6

Smiles String:

Cc1cc2c([nH]1)ccc(c2F)Oc3c4c(c(n4ncn3)OC[C@H](C)O)C



Molecular Weight: 370.38

Molecular Formula: C₁₉H₁₉FN₄O₃

Lot Number: Refer to vial

¹H-NMR: Available on request

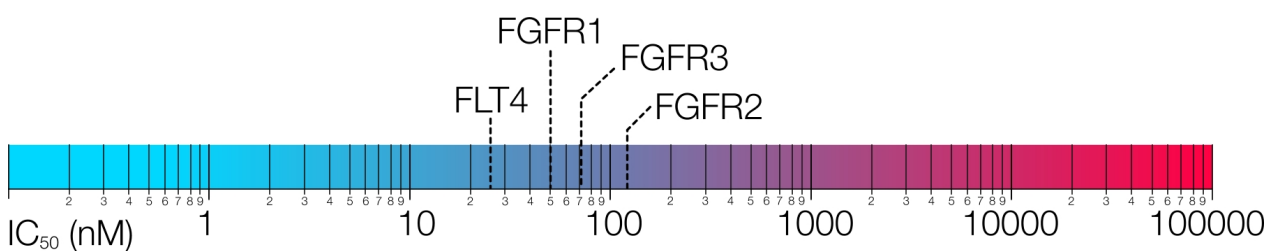
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

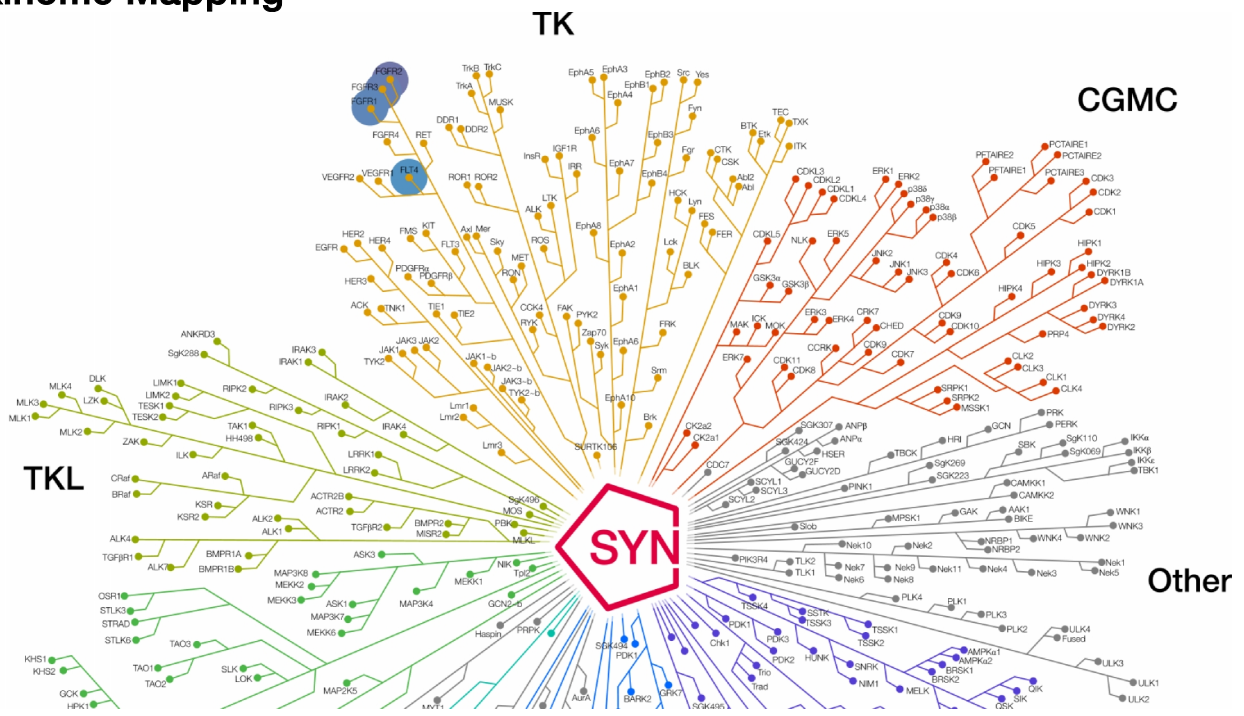
Description:

BMS-540215 is an ATP-competitive inhibitor of human VEGFR-2, with an IC₅₀ of 25 nM and K_i of 26 nmol/L. BMS-540215 also showed good selectivity for FGFR-1 (IC₅₀ of 48 nM), FGFR-2 (IC₅₀ of 125 nM), and FGFR-3 (IC₅₀ of 68 nM).

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 74mg/mL, Ethanol 3mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3704	3.7040	7.4080	18.5200

References

1. Cai ZW, Zhang Y, Borzilleri RM, Qian L, Barbosa S, Wei D, Zheng X, Wu L, Fan J, Shi Z, Wautlet BS, Mortillo S, Jeyaseelan R Sr, Kukral DW, Kamath A, Marathe P, D'Arienzo C, Derbin G, Barrish JC, Robl JA, Hunt JT, Lombardo LJ, Fargnoli J, Bhide RS. Discovery of brivanib alaninate ((S)-((R)-1-(4-(4-fluoro-2-methyl-1H-indol-5-yloxy)-5-methylpyrrolo[2,1-f][1,2,4]triazin-6-yloxy)propan-2-yl)2-aminopropanoate), a novel prodrug of dual vascular endothelial growth factor receptor-2 and fibroblast growth factor receptor-1 kinase inhibitor (BMS-540215). *J Med Chem*. 2008 Mar 27;51(6):1976-80. doi: 10.1021/jm7013309. Epub 2008 Feb 21.

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)