

Brivanib alaninate

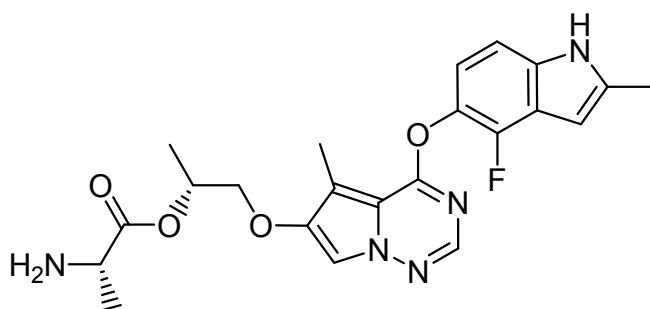
SYN-1135

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

CAS Registry No.: 649735-63-7

Smiles String:

Cc1cc2c([nH]1)ccc(c2F)Oc3c4c(c(nc4ncn3)OC[C@H](C)OC(=O)[C@H](C)N)C



Molecular Weight: 441.46

Molecular Formula: C₂₂H₂₄FN₅O₄

Lot Number: Refer to vial

¹H-NMR: Available on request

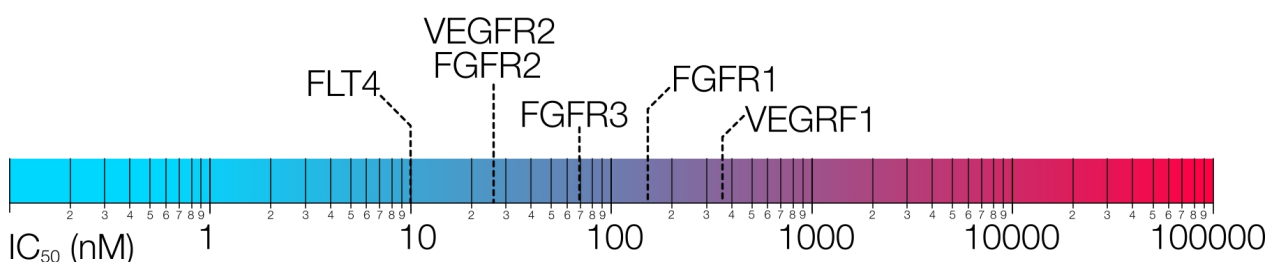
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

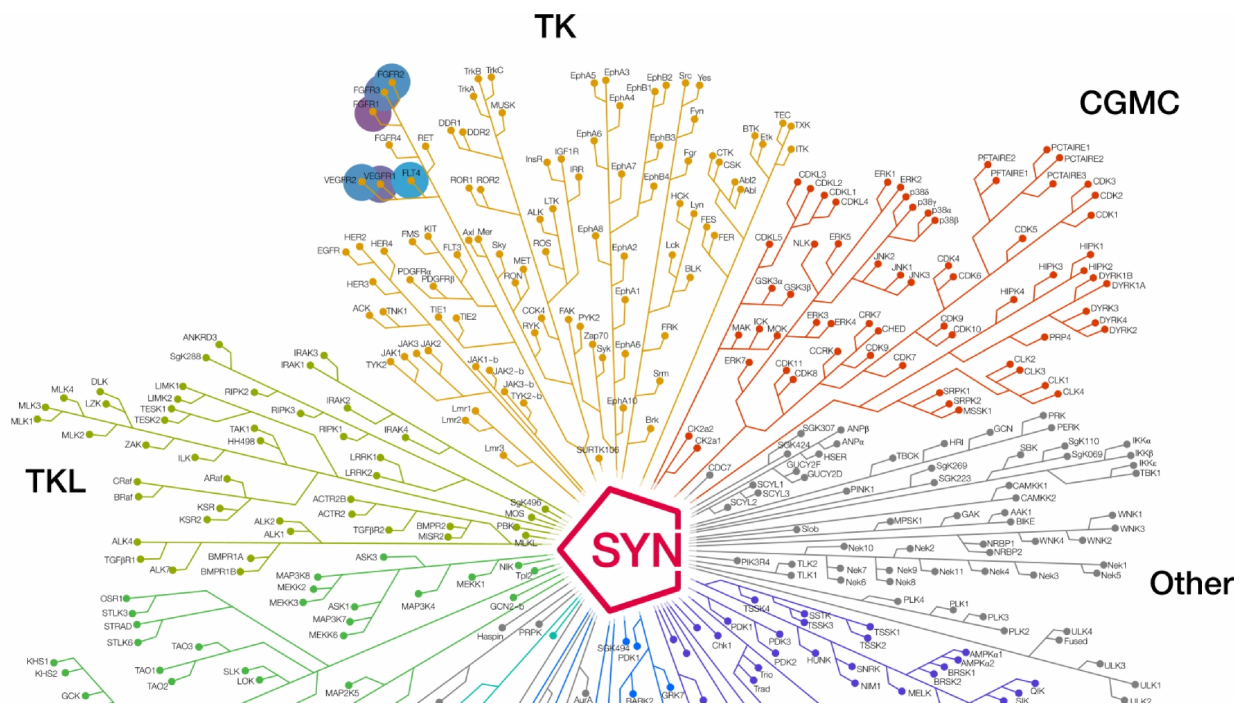
Description:

Brivanib inhibits VEGFR -2 with an IC₅₀ of 25 nmol/L and a K_i of 26 nmol/L, VEGFR-1 with an IC₅₀ of 380nmol/L and VEGFR-3 with an IC₅₀ of 10nmol/L. It also shows selectivity for FGFR-1 with an IC₅₀ of 148 nmol/L, FGFR-2 with an IC₅₀ of 25nmol/L and FGFR-3 with an IC₅₀ of 68 nmol/L.

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)	0.4415	4.4150	8.8300	22.0750

References

1. Ayers M, Fagnoli J, Lewin A, Wu Q, Platero JS. Discovery and validation of biomarkers that respond to treatment with brivanib alaninate, a small-molecule VEGFR-2/FGFR-1 antagonist. Cancer Res. 2007 Jul 15;67(14):6899-906.

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)