

Takeda-6d

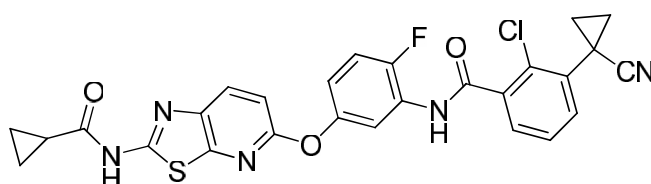
SYN-1168

2-chloro-3-(1-cyanocyclopropyl)-N-(5-((2-(cyclopropanecarboxamido)thiazolo[5,4-b]pyridin-5-yl)oxy)-2-fluorophenyl)benzamide

CAS Registry No.: 1125632-93-0

Smiles String:

c1cc(c(c(c1)C2(CC2)C#N)Cl)C(=O)Nc3cc(c(cc3F)Oc4ccc5c(n4)sc(n5)NC(=O)C6CC6



Molecular Weight: 547.99

Molecular Formula: C₂₇H₁₉ClFN₅O₃S

Lot Number: Refer to vial

¹H-NMR: Available on request

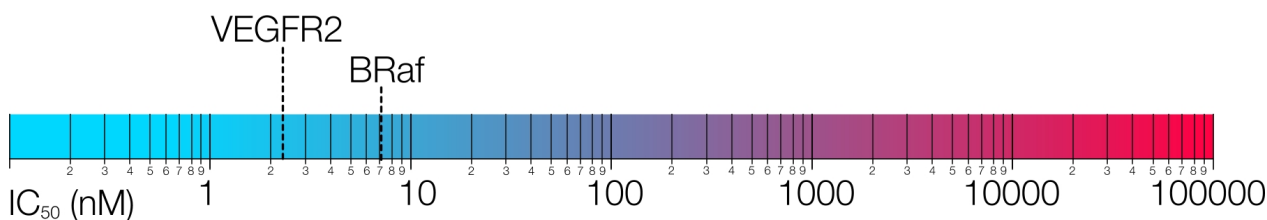
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

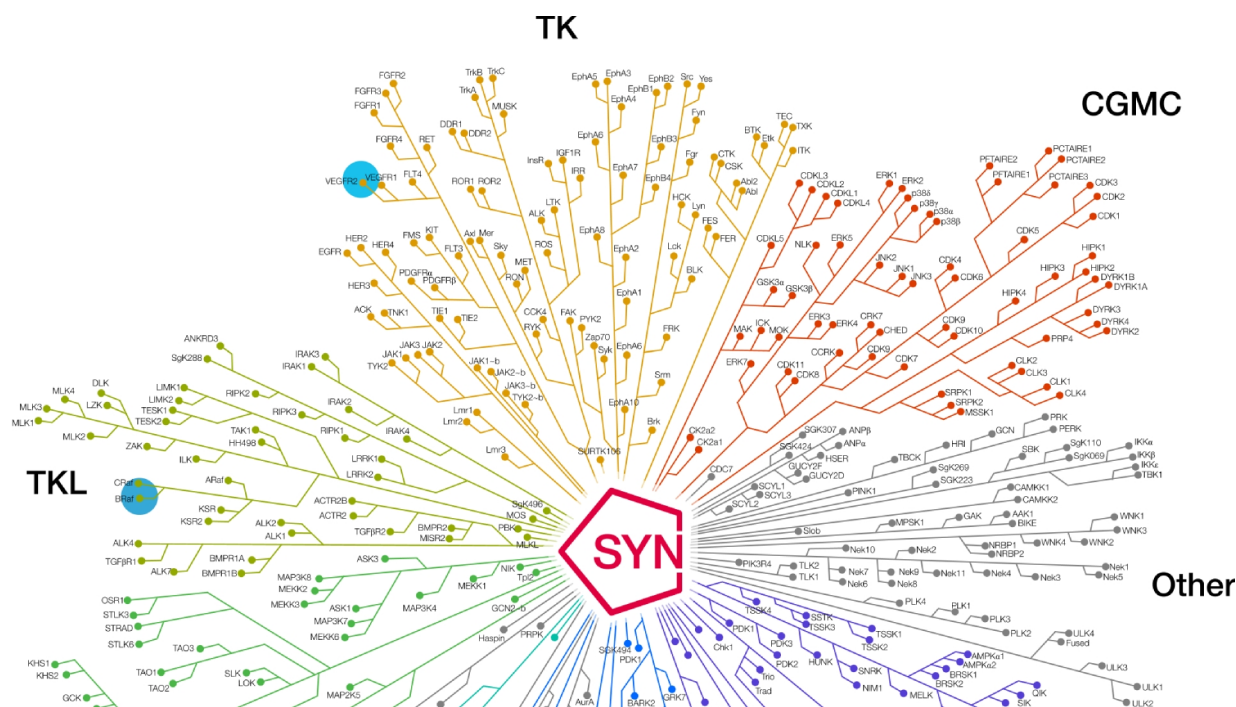
Description:

Takeda-6d has potent inhibitory activity in both B-RAF with an IC₅₀ of 7.0 nM and VEGFR2 with an IC₅₀ of 2.2 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

20 mM in DMSO

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5479	5.4799	10.9598	27.3995

References

1. Okaniwa M, Hirose M, Imada T, Ohashi T, Hayashi Y, Miyazaki T, Arita T, Yabuki M, Kakoi K, Kato J, Takagi T, Kawamoto T, Yao S, Sumita A, Tsutsumi S, Tottori T, Oki H, Sang BC, Yano J, Aertgeerts K, Yoshida S, Ishikawa T. Design and synthesis of novel DFG-out RAF/vascular endothelial growth factor receptor 2 (VEGFR2) inhibitors. 1. Exploration of [5,6]-fused bicyclic scaffolds. J Med Chem. 2012 Apr 12;55(7):3452-78. doi: 10.1021/jm300126x. Epub 2012 Mar 14.

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)