

Cabozantinib

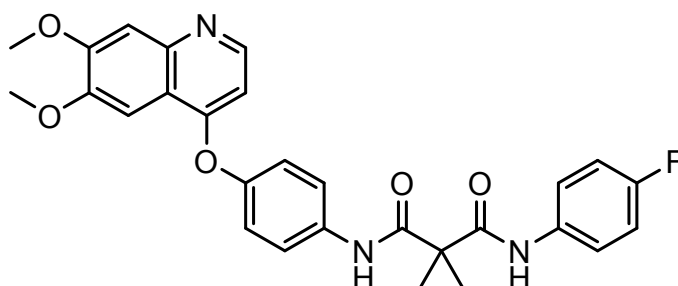
SYN-1138

N-(4-(6,7-dimethoxyquinolin-4-yloxy)phenyl)-N-(4-fluorophenyl)cyclopropane-1,1-dicarb oxamide

CAS Registry No.: 849217-68-1

Smiles String:

COc1cc2c(ccnc2cc1OC)Oc3ccc(cc3)NC(=O)C4(CC4)C(=O)Nc5ccc(cc5)F



Molecular Weight: 501.51

Molecular Formula: C₂₈H₂₄FN₃O₅

Lot Number: Refer to vial

¹H-NMR: Available on request

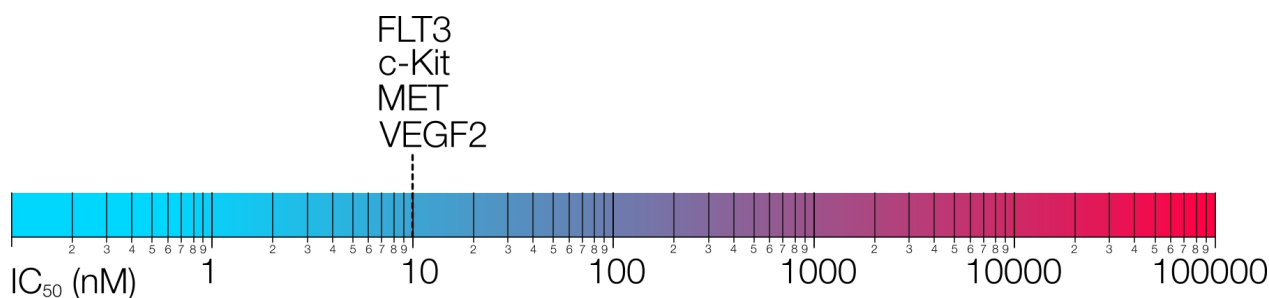
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

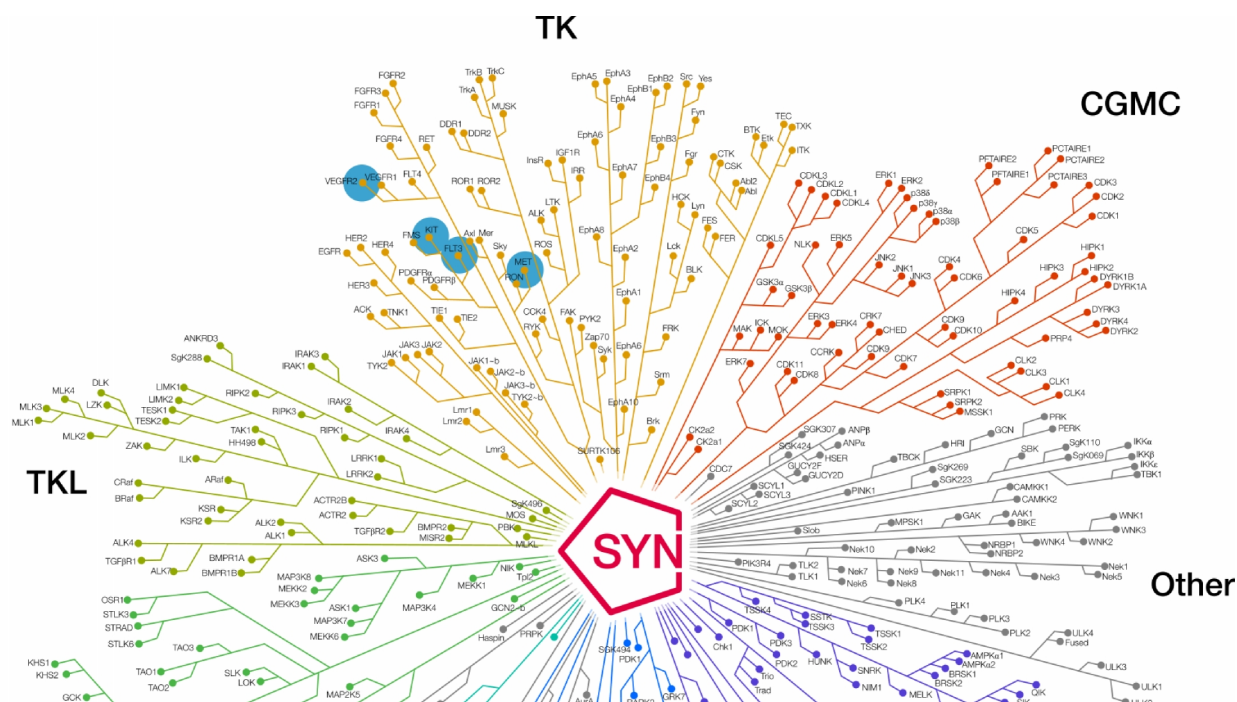
Description:

Cabozantinib is very potent inhibitor, with an IC₅₀ of less than 10 nM for VEGFR2, MET, Kit and FLT3-ITD.

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 100mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5016	5.0160	10.0320	25.0800

References

1. Kurzrock R, Sherman SI, Ball DW, Forastiere AA, Cohen RB, Mehra R, Pfister DG, Cohen EE, Janisch L, Nauling F, Hong DS, Ng CS, Ye L, Gagel RF, Frye J, Müller T, Ratain MJ, Salgia R. Activity of XL184 (Cabozantinib), an oral tyrosine kinase inhibitor, in patients with medullary thyroid cancer. *J Clin Oncol.* 2011 Jul 1;29(19):2660-6. doi: 10.1200/JCO.2010.32.4145. Epub 2011 May 23.

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)