

MK-2461

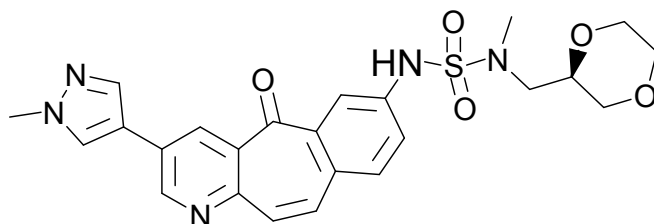
SYN-1149

N-((2R)-1,4-Dioxan-2-ylmethyl)-N-methyl-N'-[3-(1-methyl-1H-pyrazol-4-yl)-5-oxo-5H-benzo[4,5]cyclohepta[1,2-b]pyridin-7-yl]sulfamide

CAS Registry No.: 917879-39-1

Smiles String:

Cn1cc(cn1)c2cc3c(ccc4ccc(cc4c3=O)NS(=O)(=O)N(C)C[C@@H]5COCCO5)nc2



Molecular Weight: 495.55

Molecular Formula: C₂₄H₂₅N₅O₅S

Lot Number: Refer to vial

¹H-NMR: Available on request

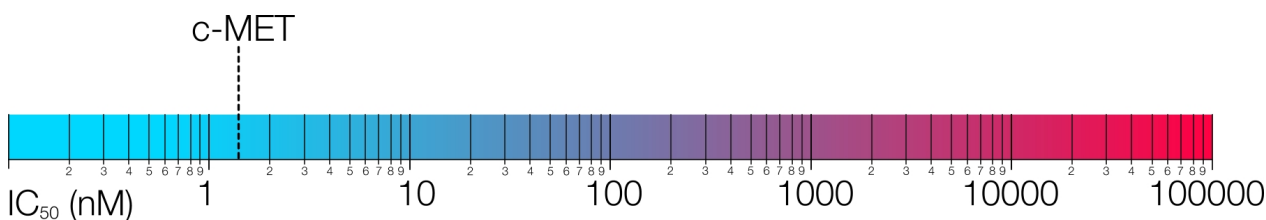
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

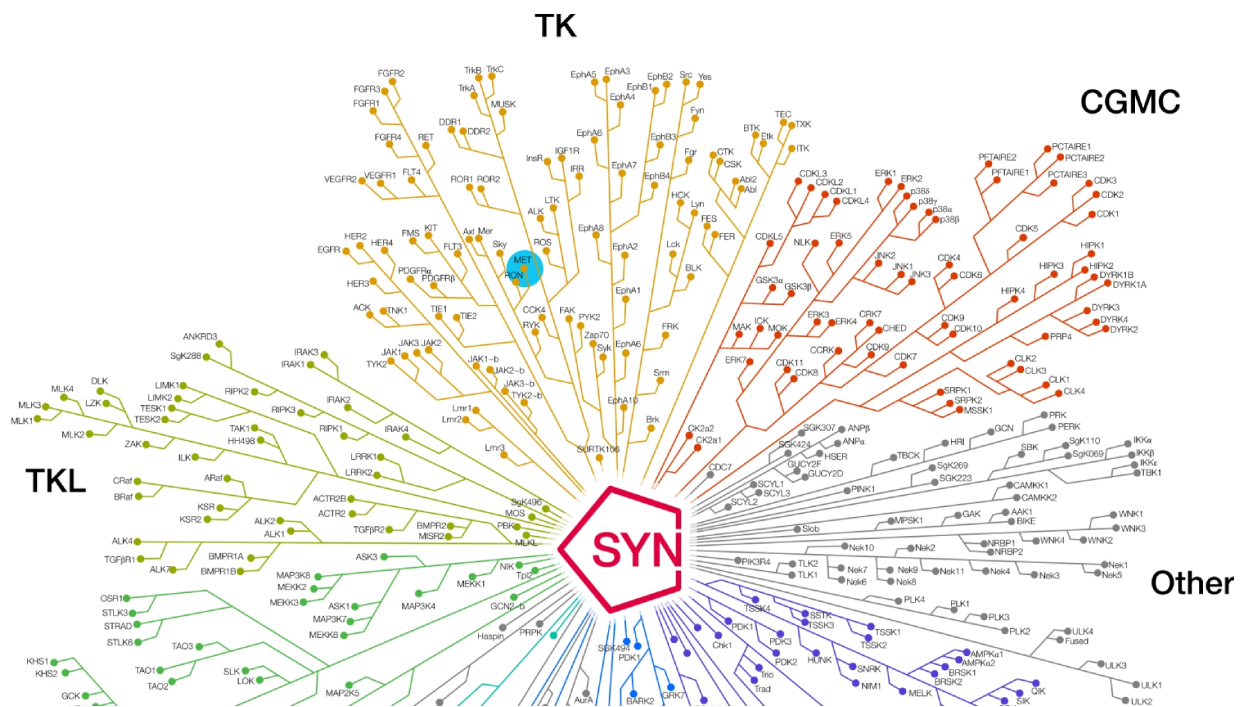
Description:

MK-2461 is a novel ATP-competitive multi-targeted inhibitor of activated c-Met kinases (N1100Y, Y1230C, Y1230H, Y1235D, and M1250T) with IC₅₀ values of 0.4 to 2.5 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 99mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4956	4.9560	9.9120	24.7800

References

1. Pan BS, Chan GK, Chenard M, Chi A, Davis LJ, Deshmukh SV, Gibbs JB, Gil S, Hang G, Hatch H, Jewell JP, Kariv I, Katz JD, Kunii K, Lu W, Lutterbach BA, Paweletz CP, Qu X, Reilly JF, Szewczak AA, Zeng Q, Kohl NE, Dinsmore CJ. MK-2461, a novel multitargeted kinase inhibitor, preferentially inhibits the activated c-Met receptor. *Cancer Res.* 2010 Feb 15;70(4):1524-33. doi: 10.1158/0008-5472.CAN-09-2541. Epub 2010 Feb 9.

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)