

CP-724714

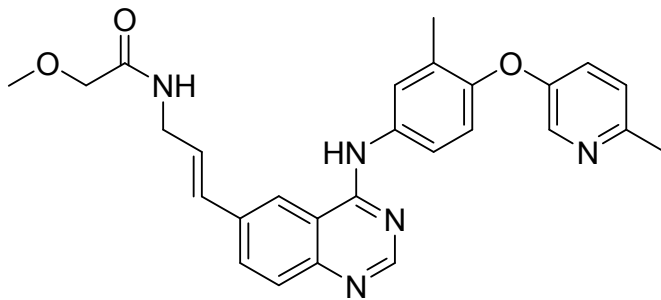
SYN-1033

(E)-2-methoxy-N-(3-(4-(3-methyl-4-(6-methylpyridin-3-yloxy)phenylamino)quinazolin-6-yl)allyl)acetamide

CAS Registry No.: 383432-38-0

Smiles String:

Cc1ccc(cn1)Oc2ccc(cc2C)Nc3c4cc(ccc4ncn3)/C=C/CNC(=O)COC



Molecular Weight: 469.53

Molecular Formula: C₂₇H₂₇N₅O₃

Lot Number: Refer to vial

¹H-NMR: Available on request

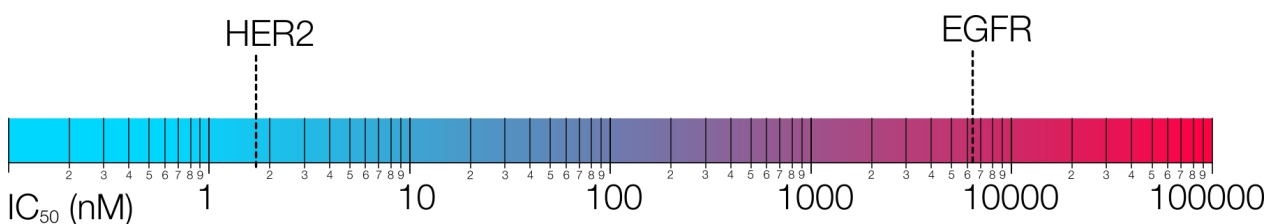
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

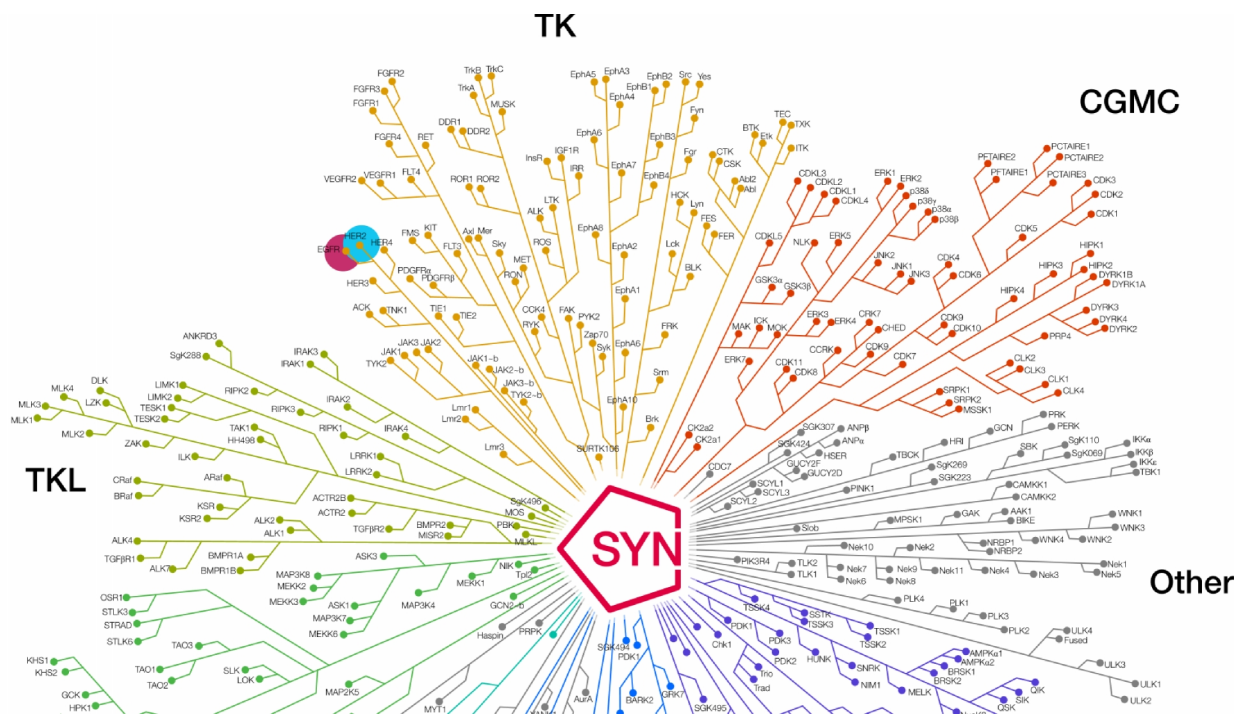
Description:

CP-724714 is an oral, selective and potent ErbB-2 (HER2) kinase inhibitor with an IC₅₀ of 10 nM. It has >640-fold selectivity for ErbB-2 (HER2) over EGFR, InsR, IRG-1R, PDGFR, VEGFR2, Abl, Src, c-Met.

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 94mg/mL, Ethanol 94mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4696	4.6960	9.3920	23.4800

References

1. Jani JP, Finn RS, Campbell M, Coleman KG, Connell RD, Currier N, Emerson EO, Floyd E, Harriman S, Kath JC, Morris J, Moyer JD, Pustilnik LR, Rafidi K, Ralston S, Rossi AM, Steyn SJ, Wagner L, Winter SM, Bhattacharya SK . Discovery and pharmacologic characterization of CP-724,714, a selective ErbB2 tyrosine kinase inhibitor. Cancer Res. 2007 Oct 15;67(20):9887-93.

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)