

Mubritinib

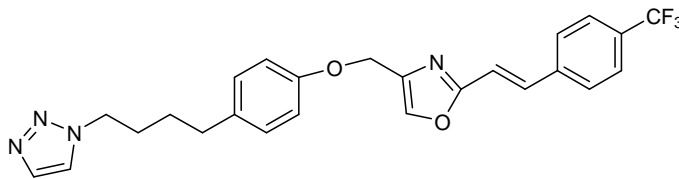
SYN-1112

(E)-1-(4-(4-((2-(4-(trifluoromethyl)styryl)oxazol-4-yl)methoxy)phenyl)butyl)-1H-1,2,3-triazole

CAS Registry No.: 366017-09-6

Smiles String:

C1=CC(=CC=C1CCCCN2C=CN=N2)OCC3=COC(=N3)/C=C/C4=CC=C(C=C4)C(F)(F)F



Molecular Weight: 468.47

Molecular Formula: C₂₅H₂₃F₃N₄O₂

Lot Number: Refer to vial

¹H-NMR: Available on request

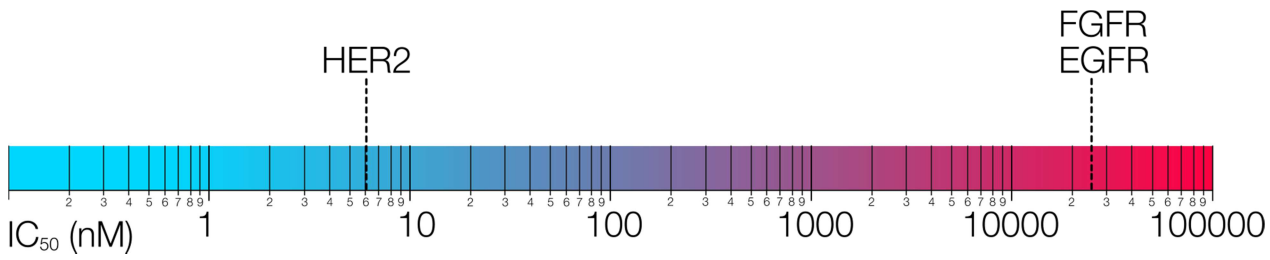
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

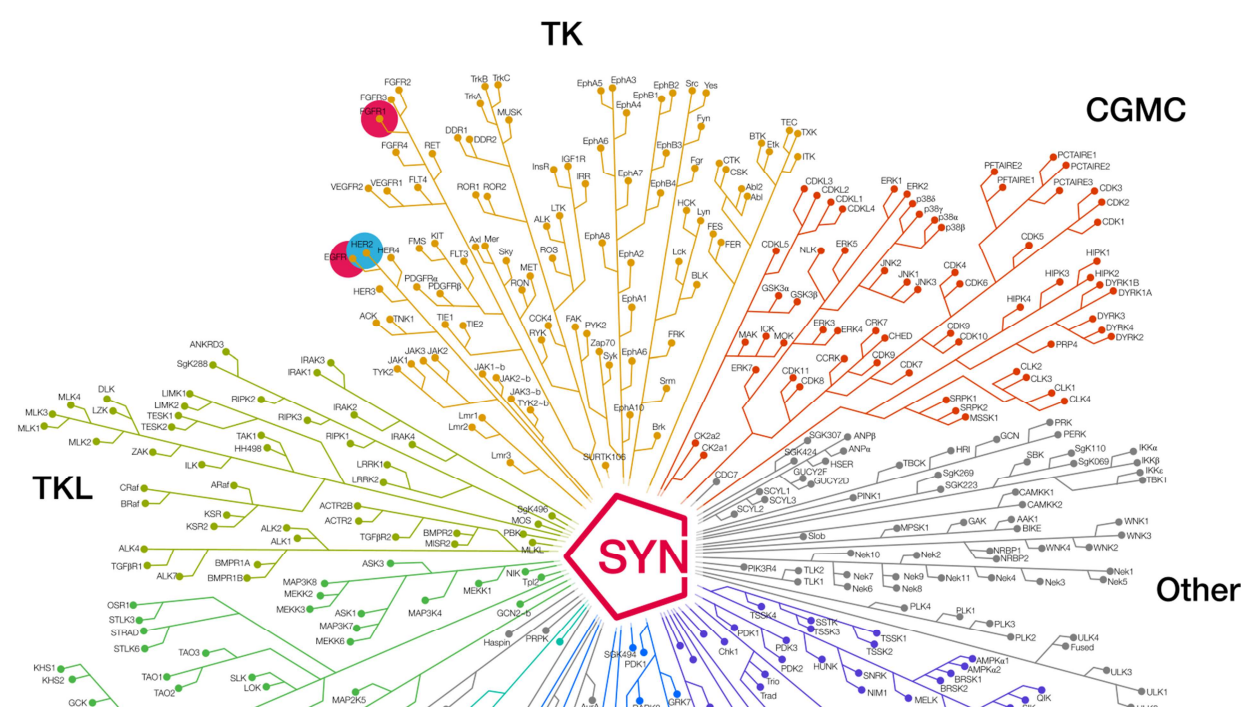
Description:

Mubritinib is a potent, irreversible human epithelial growth factor receptor 2 (ErbB2/HER2) inhibitor (IC₅₀ of 6 nM) which displays > 4000-fold selectivity over EGFR, FGFR, PDGFR, JAK1 and Src kinases.

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 13mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4685	4.6850	9.3700	23.4250

References

1. Sridhar SS, Seymour L, Shepherd FA. Inhibitors of epidermal-growth-factor receptors: a review of clinical research with a focus on non-small-cell lung cancer. *Lancet Oncol.* 2003 Jul;4(7):397-406.
2. Pelland J. Ouagadougou: one year later. *Nurs Que.* 1991 Jul-Aug;11(4):4-6.

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)