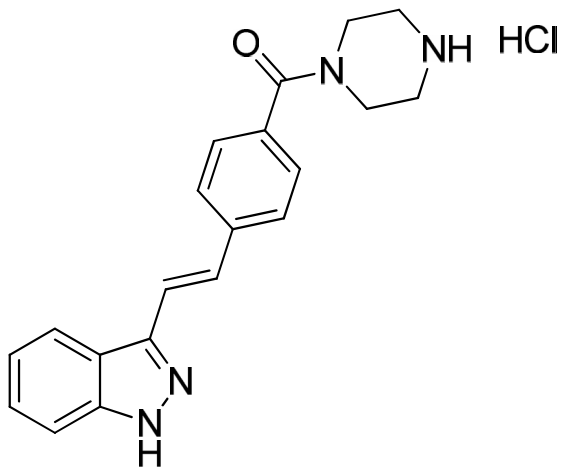


KW-2449 HCl**SYN-1205**

(E)-(4-(2-(1H-indazol-3-yl)vinyl)phenyl)(piperazin-1-yl)methanone hydrochloride

CAS Registry No.: 1038395-65-1

Smiles String:

O=C(N1CCNCC1)C(C=C2)=CC=C2/C=C/C3=NNC4=CC=CC=C43.Cl

Molecular Weight: 368.86

Molecular Formula: C₂₀H₂₀N₄O.HCl

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

Description:

Flt3 is the primary target of KW-2449 (IC₅₀ of 6.6 nM). It is significantly less potent against FGFR1, Bcr-Abl and Aurora A, with only minor effects against PDGFR β , IGF-1R, EGFR. KW-2449 is currently undergoing Phase I trials.

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 67mg/mL, Ethanol < 67mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3688	3.6886	7.3772	18.4430

References

1. Shiotsu Y, Kiyoi H, Ishikawa Y, Tanizaki R, Shimizu M, Umehara H, Ishii K, Mori Y, Ozeki K, Minami Y, Abe A, Maeda H, Akiyama T, Kanda Y, Sato Y, Akinaga S, Naoe T. KW-2449, a novel multikinase inhibitor, suppresses the growth of leukemia cells with FLT3 mutations or T315I-mutated BCR/ABL translocation. Blood. 2009 Aug 20;114(8):1607-17. doi: 10.1182/blood-2009-01-199307. Epub 2009 Jun 18. PubMed PMID: 19541823.

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)