

A-674563 HCl

SYN-1110

(2S)-1-(5-(3-methyl-1H-indazol-5-yl)pyridin-3-yloxy)-3-phenylpropan-2-amine hydrochloride

CAS Registry No.: 552325-73-2 (free base)

Smiles String:

Cc1c2cc(ccc2[nH]n1)c3cc(cnc3)OC[C@H](Cc4ccccc4)N.Cl

Molecular Weight: 394.9

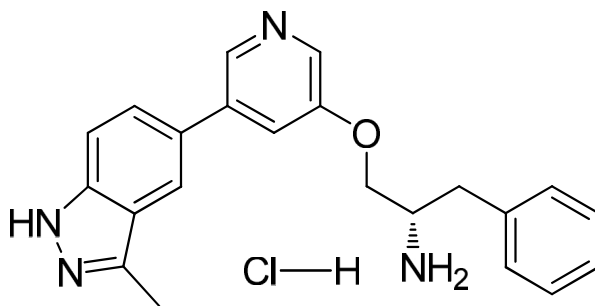
Molecular Formula: C₂₂H₂₂N₄O.HCl

Lot Number: Refer to vial

¹H-NMR: Available on request

HPLC (Purity): > 95.0% @ 254 nm

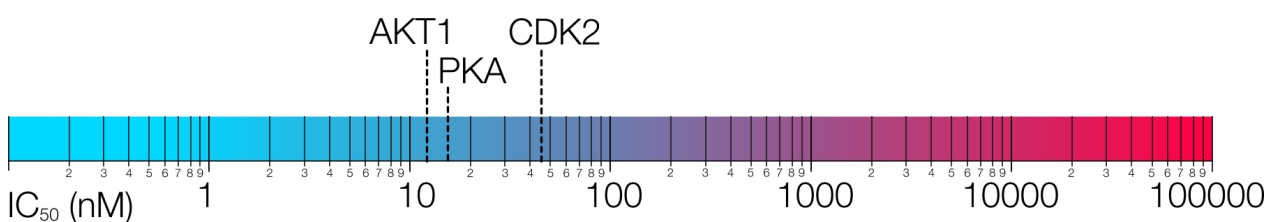
ES-MS: Available on request



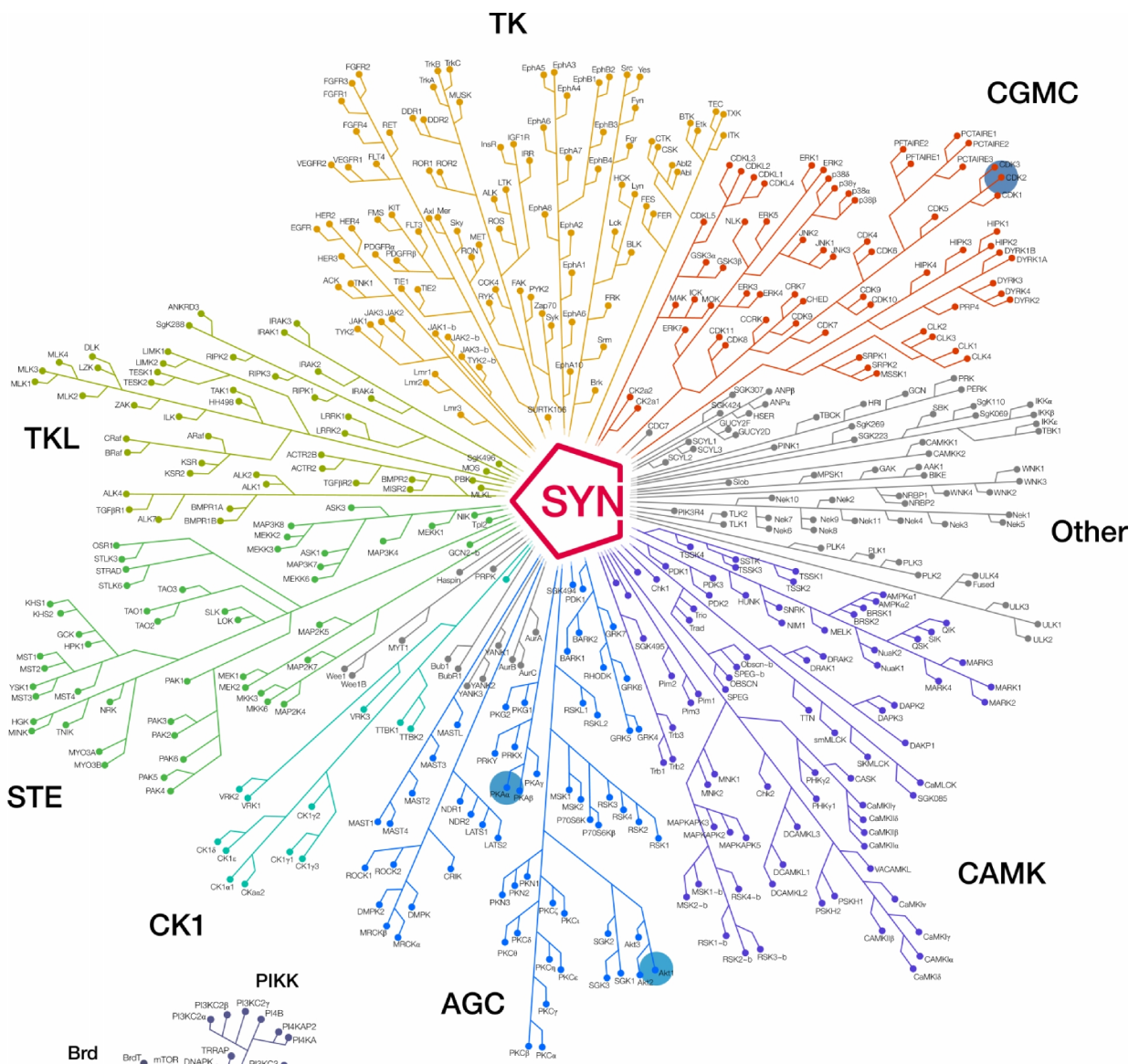
Description:

A-674563 is a potent, orally available Akt1 inhibitor with an IC₅₀ of 11 nM. It also displays activity against PKA and CDK2 with IC₅₀ values of 16 and 46 nM respectively.

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 72 mg/mL, Ethanol <12 mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3949	3.9490	7.8980	19.7450

References

1. Rhodes N, Heerding DA, Duckett DR, Eberwein DJ, Knick VB, Lansing TJ, McConnell RT, Gilmer TM, Zhang SY, Robell K, Kahana JA, Geske RS, Kleymenova EV, Choudhry AE, Lai Z, Leber JD, Minthorn EA, Strum SL, Wood ER, Huang PS, Copeland RA, Kumar R. Characterization of an Akt kinase inhibitor with potent pharmacodynamic and antitumor activity. *Cancer Res.* 2008 Apr 1;68(7):2366-74. doi: 10.1158/0008-5472.CAN-07-5783.

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)