

MK-2206 2HCl

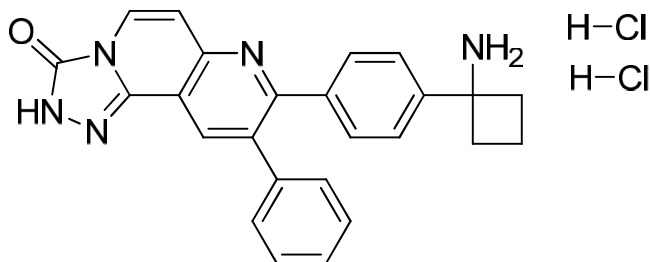
SYN-1162

8-(4-(1-aminocyclobutyl)phenyl)-9-phenyl-[1,2,4]triazolo[3,4-f][1,6]naphthyridin-3(2H)-one dihydrochloride

CAS Registry No.: 1032350-13-2

Smiles String:

c1ccc(cc1)c2cc3c(ccn4c3n[nH]c4=O)nc2c5ccc(cc5)C6(CCC6)N.Cl.Cl



Molecular Weight: 480.39

Molecular Formula: C₂₅H₂₁N₅O₂·2HCl

Lot Number: Refer to vial

¹H-NMR: Available on request

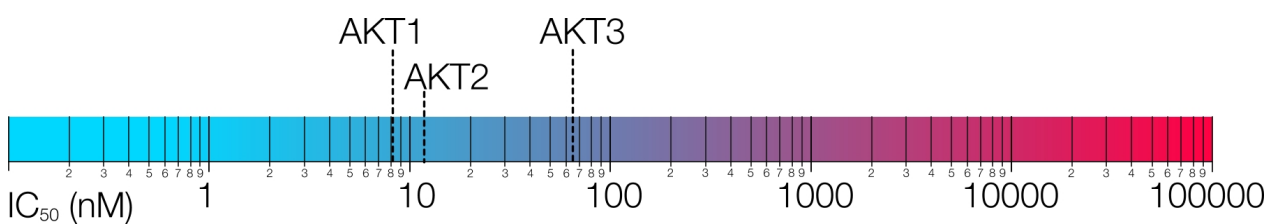
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

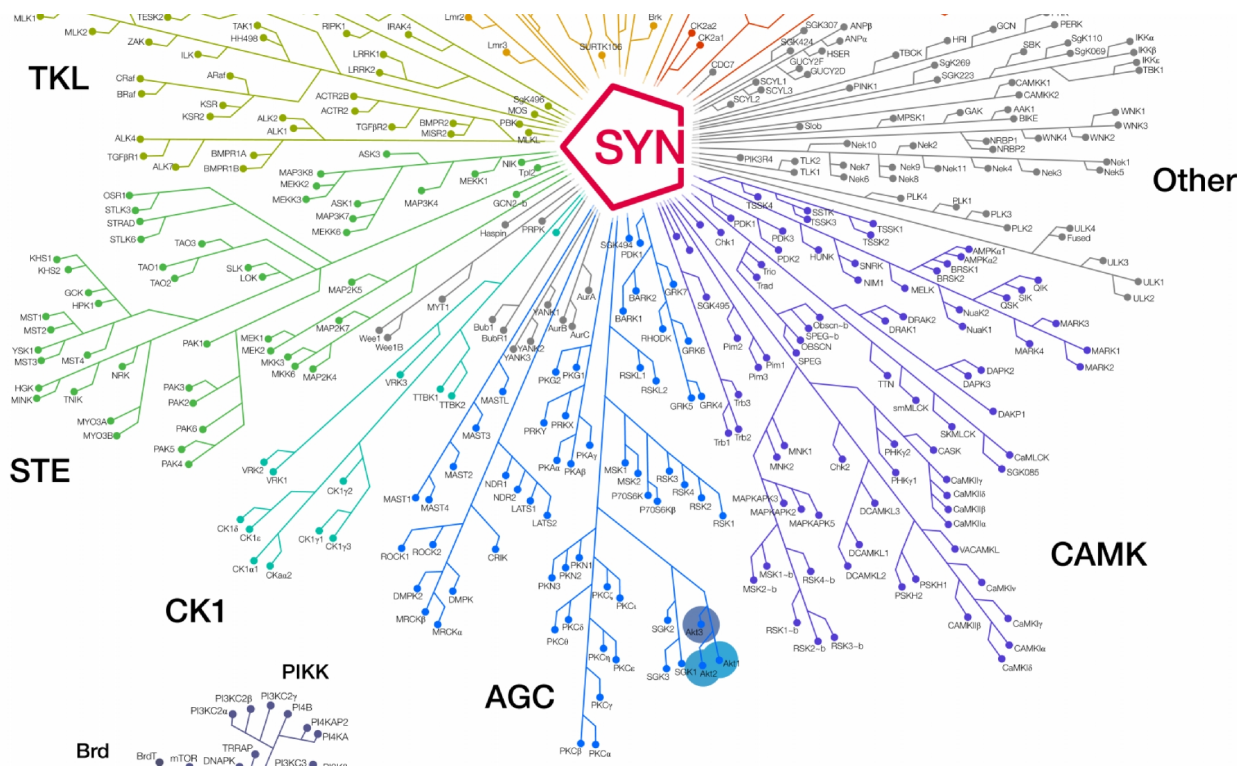
Description:

MK-2206 is a highly selective inhibitor of Akt1, Akt2 and Akt3 with IC₅₀ of 8 nM, 12 nM and 65 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 14mg/mL, Ethanol 1mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4804	4.8040	9.6080	24.0200

References

1. Morphy R. Selectively nonselective kinase inhibition: striking the right balance. J Med Chem. 2010 Feb 25;53(4):1413-37. doi: 10.1021/jm901132v. Review. PubMed PMID: 20166671.

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)