

SB202190

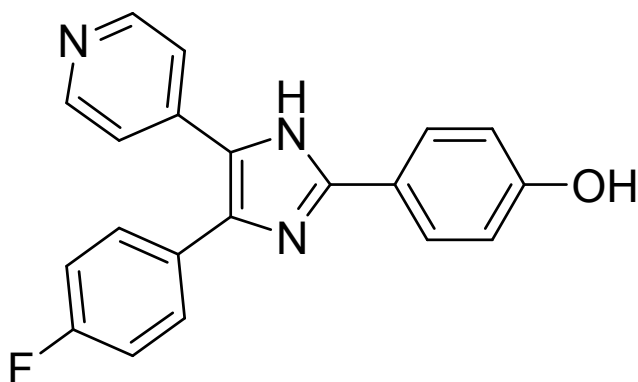
SYN-1073A

4-(4-(4-fluorophenyl)-5-(pyridin-4-yl)-1H-imidazol-2-yl)phenol hydrochloride

CAS Registry No.: 350228-36-3

Smiles String:

c1cc(ccc1c2[nH]c(c(n2)c3ccncc3)c4ccc(cc4)F)O



Molecular Weight: 367.8

Molecular Formula: C₂₀H₁₄FN₃O.HCl

Lot Number: Refer to vial

¹H-NMR: Available on request

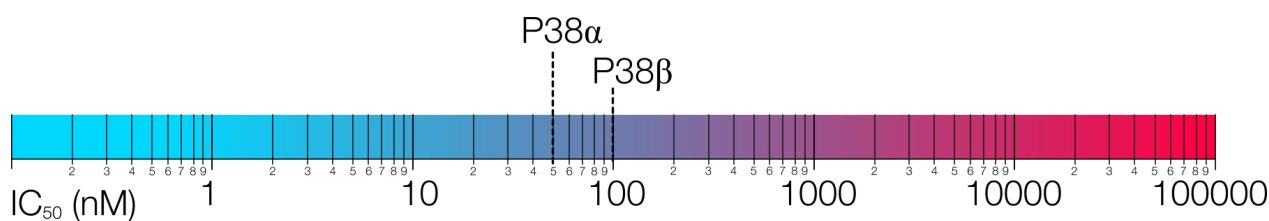
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

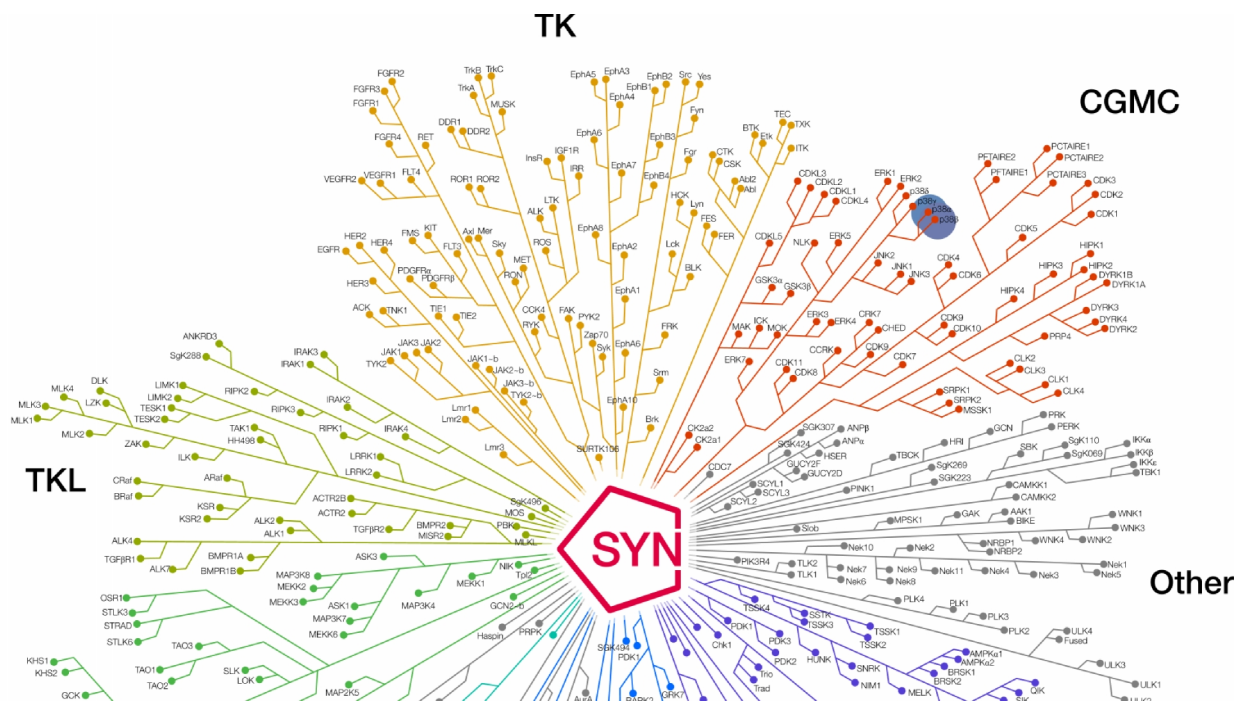
Description:

SB202190 is potent and selective inhibitor of the p38alpha and beta, with IC₅₀ values of 50 and 100 nM respectively. It is a powerful regulator of LPS-induced mRNAs in monocytes.

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 66mg/mL, Ethanol 12mg/mL

Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3313	3.3134	6.6268	16.567

References

1. Nemoto S, Xiang J, Huang S, Lin A. Induction of apoptosis by SB202190 through inhibition of p38beta mitogen-activated protein kinase. J Biol Chem. 1998 Jun 26;273(26):16415-20.

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)