

**SB202190**

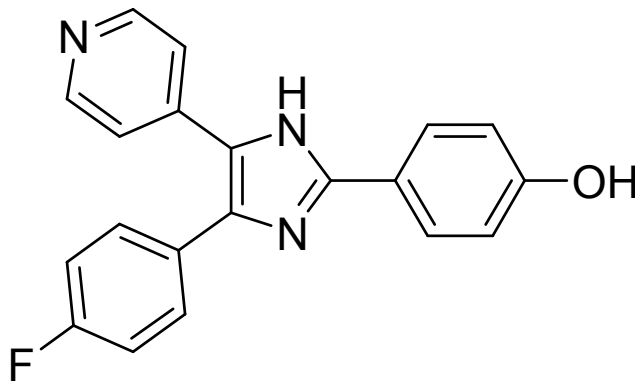
**SYN-1073**

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

CAS Registry No.: 152121-30-7

Smiles String:

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



Molecular Weight: 331.34

Molecular Formula: C<sub>20</sub>H<sub>14</sub>FN<sub>3</sub>O

Lot Number: Refer to vial

<sup>1</sup>H-NMR: Available on request

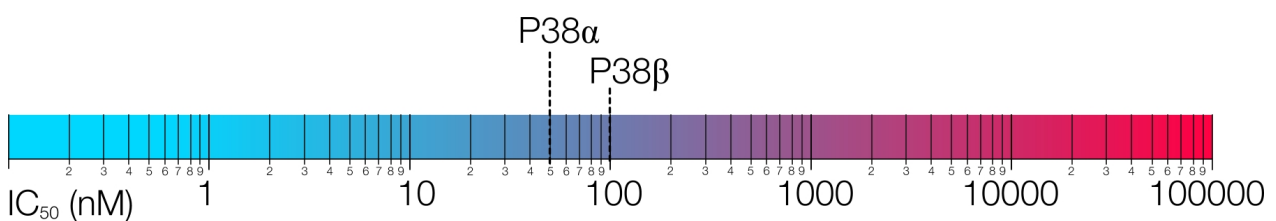
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

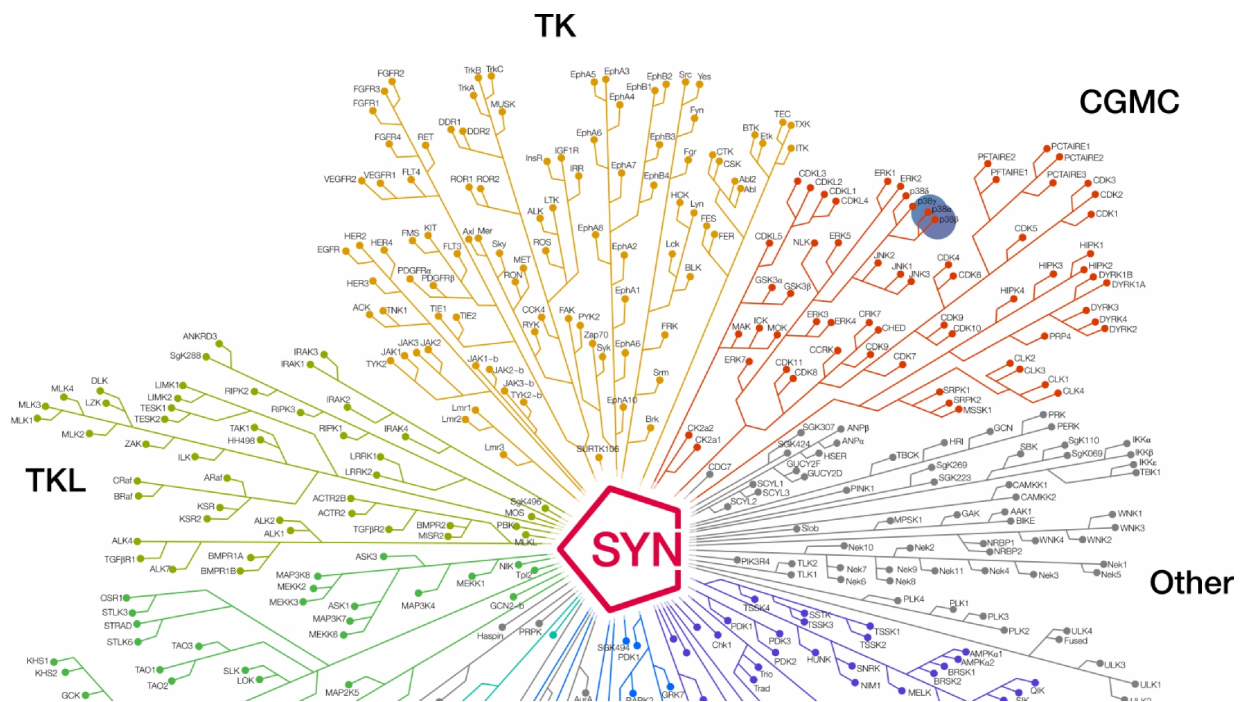
## Description:

SB202190 is potent and selective inhibitor of the p38alpha and beta, with IC<sub>50</sub> 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

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## 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.

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## Ordering Information

To order more of this or any other SYNkinase compound, go to [synkinase.com](http://synkinase.com), Call us Toll Free (US Only) at 1- 877-854-6273 or email [orders@synkinase.com](mailto:orders@synkinase.com).

Product Datasheet (Rev. 1.1)