

**SD-06**

**SYN-1078**

1-(4-(5-(4-chlorophenyl)-4-(pyrimidin-4-yl)-1H-pyrazol-3-yl)piperidin-1-yl)-2-hydroxyethanone

**CAS Registry No.:** 271576-80-8

**Smiles String:**

c1cc(ccc1c2c(c(n[nH]2)C3CCN(CC3)C(=O)CO)c4ccnc4)Cl

**Molecular Weight:** 397.86

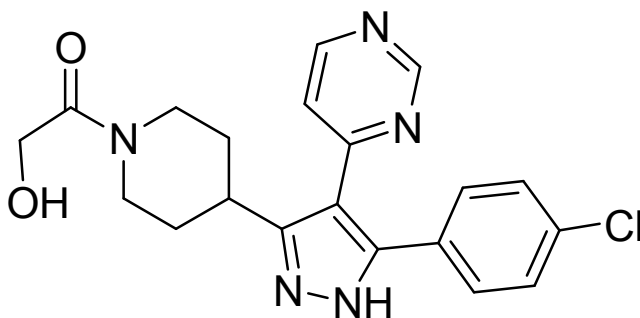
**Molecular Formula:** C<sub>20</sub>H<sub>20</sub>ClN<sub>5</sub>O<sub>2</sub>

**Lot Number:** Refer to vial

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

**HPLC (Purity):** > 95.0% @ 254 nm

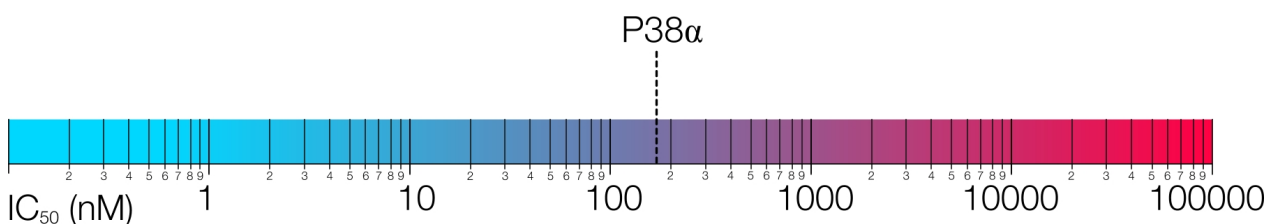
**ES-MS:** Available on request



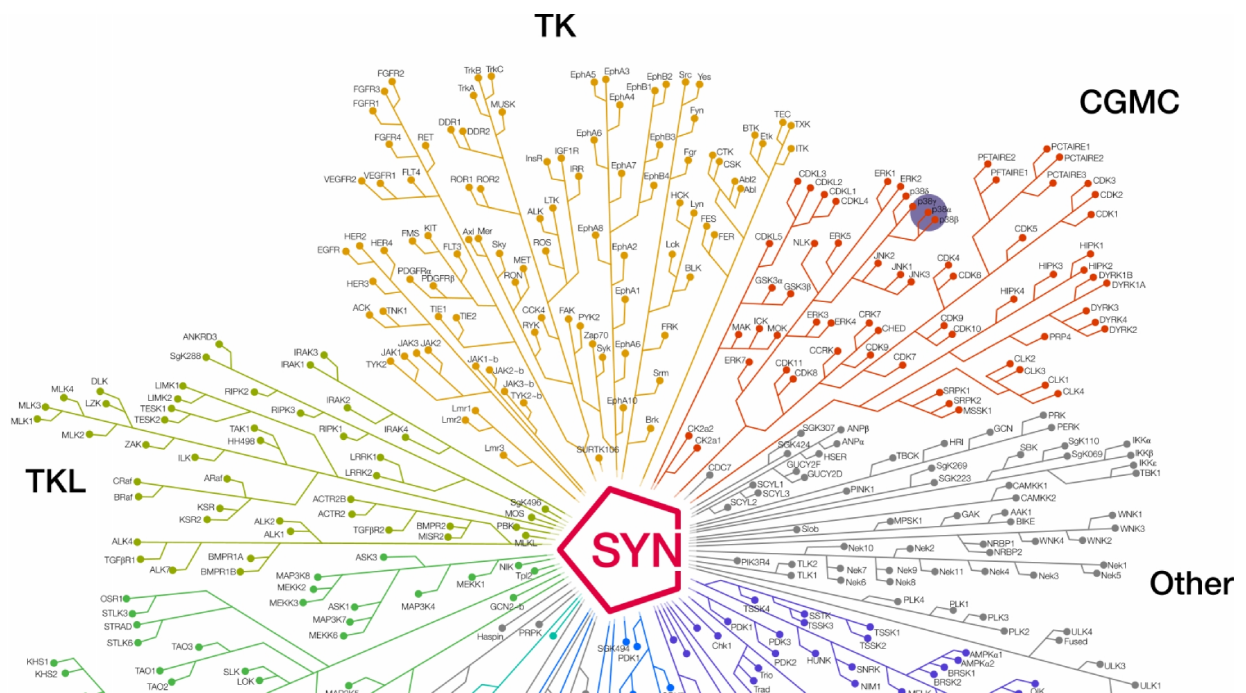
## Description:

SD-06 is a p38 MAP kinase inhibitor. It inhibits p38alpha with an IC<sub>50</sub> value of 170 nM and inhibits LPS-stimulated TNF-release in rats.

## 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

15 mM in DMSO

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3978	3.9786	7.9572	19.8930

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## References

1. Goldstein DM, Gabriel T. Pathway to the clinic: inhibition of P38 MAP kinase. A review of ten chemotypes selected for development. *Curr Top Med Chem.* 2005;5(10):1017-29.

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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)