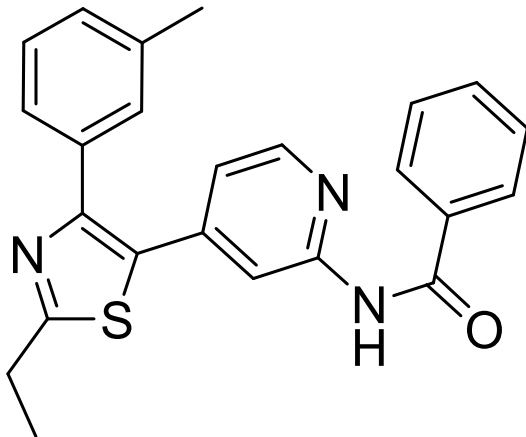


# TAK-715

# SYN-1087



N-(4-(2-ethyl-4-m-tolylthiazol-5-yl)pyridin-2-yl)benzamide

CAS Registry No.: 303162-79-0

Smiles String:

CCc1nc(c(s1)c2ccnc(c2)NC(=O)c3ccccc3)c4cccc(c4)C

Molecular Weight: 399.51

Molecular Formula: C<sub>24</sub>H<sub>21</sub>N<sub>3</sub>O<sub>3</sub>S

Lot Number: Refer to vial

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

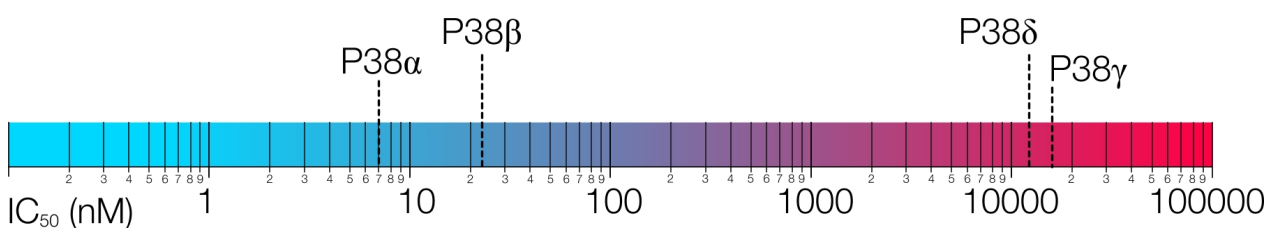
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

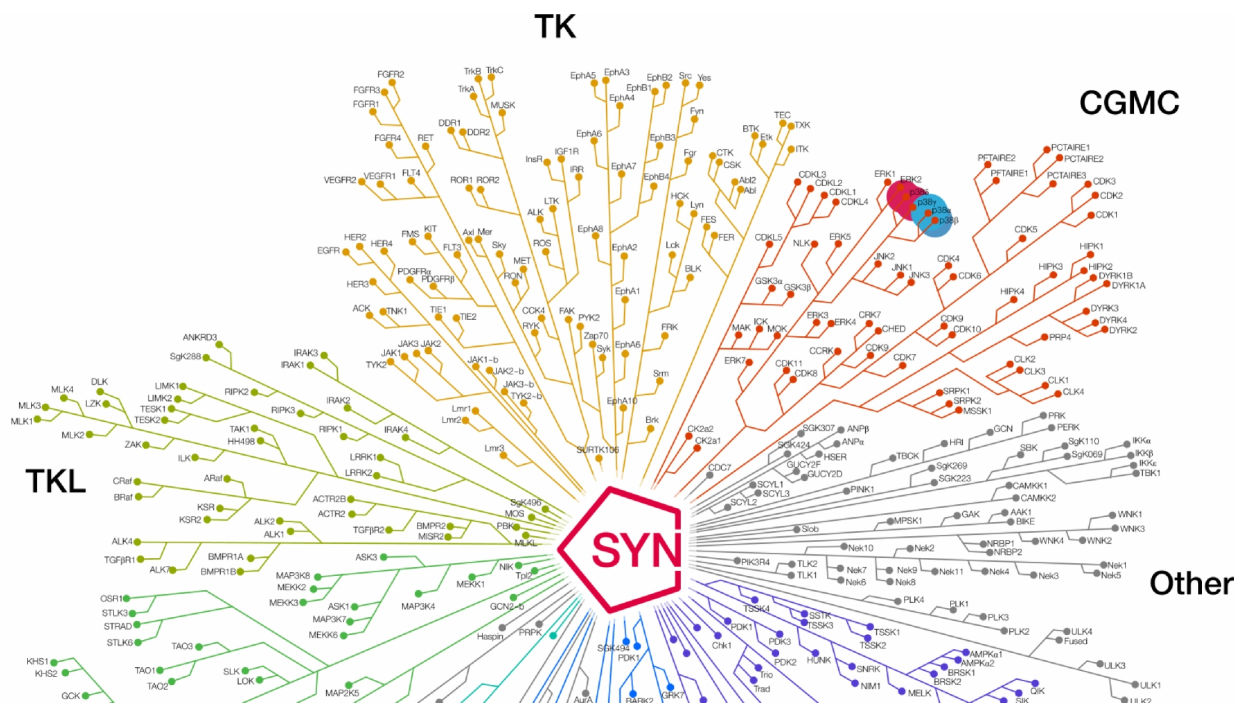
## Description:

TAK-715 is a potent specific inhibitor of the p38alpha MAP kinase with an IC<sub>50</sub> of 7.1 nM. It is approximately 30-fold more selective for p38alpha over p38beta. It shows no inhibition of p38gamma/delta.

## 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 80mg/mL, Ethanol 16mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3995	3.9951	7.9902	19.9755

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## References

1. Miwatashi S, Arikawa Y, Kotani E, Miyamoto M, Naruo K, Kimura H, Tanaka T, Asahi S, Ohkawa S. Novel inhibitor of p38 MAP kinase as an anti-TNF-alpha drug: discovery of N-[4-[2-ethyl-4-(3-methylphenyl)-1,3-thiazol-5-yl]-2-pyridyl]benzamide (TAK-715) as a potent and orally active anti-rheumatoid arthritis agent. J Med Chem. 2005 Sep 22;48(19):5966-79.

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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)