

**RO495**

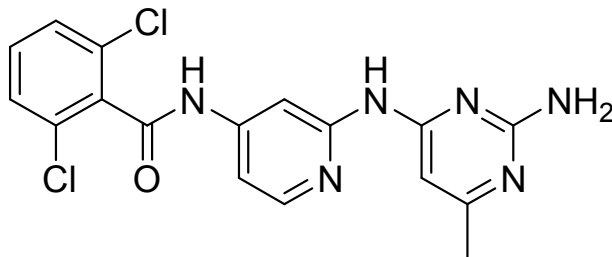
**SYN-1128**

N-(2-(2-amino-6-methylpyrimidin-4-ylamino)pyridin-4-yl)-2,6-dichlorobenzamide

**CAS Registry No.:** 1258296-60-4

**Smiles String:**

Cc1cc(nc(n1)N)Nc2cc(ccn2)NC(=O)c3c(ccc3Cl)Cl



**Molecular Weight:** 389.24

**Molecular Formula:** C<sub>17</sub>H<sub>14</sub>Cl<sub>2</sub>N<sub>6</sub>O

**Lot Number:** Refer to vial

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

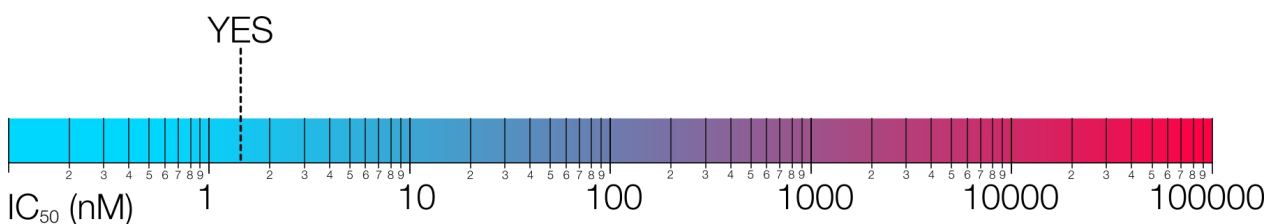
**HPLC (Purity):** > 95.0% @ 254 nm

**ES-MS:** Available on request

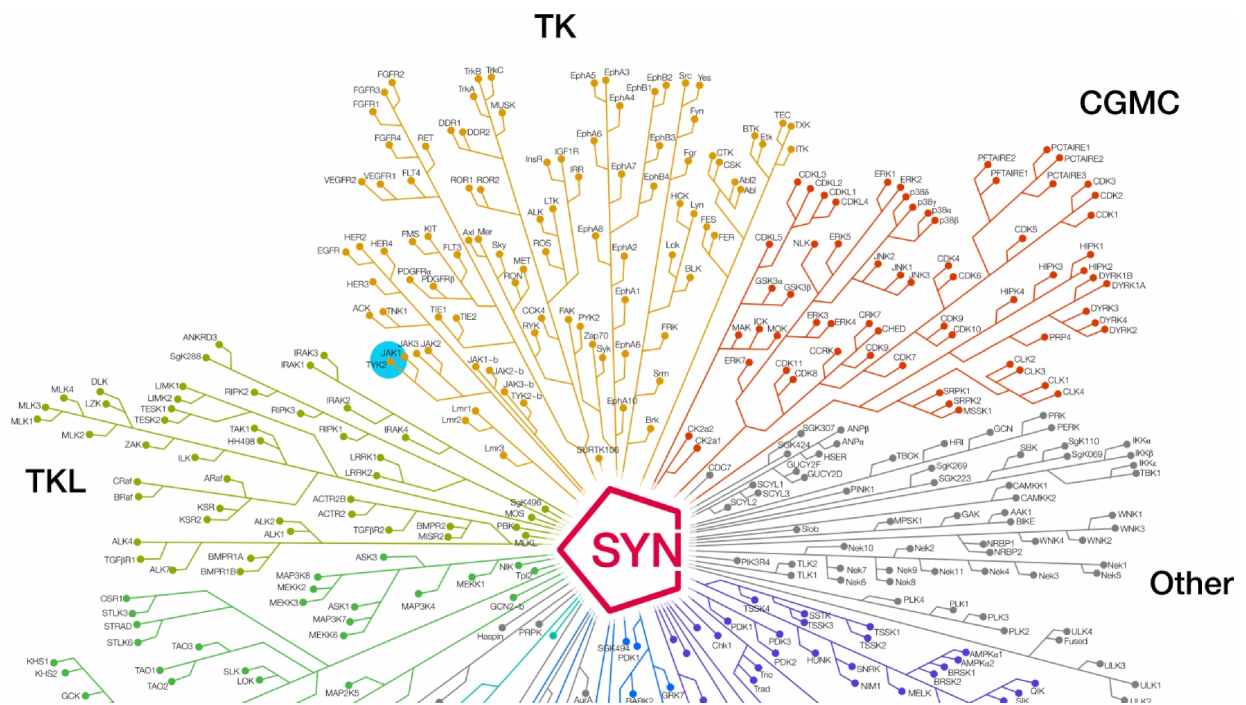
## Description:

RO495 is a very potent TYK2 inhibitor with a IC<sub>50</sub> of 1.5nM on TYK2 as tested in cell-based pharmacological assays including the compound-mediated effects on STAT5 phosphorylation in Set-2 lysates or IL-12 stimulation of NK92 using the Meso Scale Discovery (MSD) technology.

## 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 112 mg/mL, Water 1mg/mL, Ethanol 4mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3892	3.8924	7.7848	19.4620

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## References

1. Patel PR, Sun H, Li SQ, Shen M, Khan J, Thomas CJ, Davis MI. Identification of potent Yes1 kinase inhibitors using a library screening approach. *Bioorg Med Chem Lett.* 2013 Aug 1;23(15):4398-403. doi: 10.1016/j.bmcl.2013.05.072. Epub 2013 May 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)