

# AMG-458

# SYN-1144

1-(2-hydroxy-2-methylpropyl)-N-(5-(7-methoxyquinolin-4-yloxy)pyridin-2-yl)-5-methyl-3-oxo-2-phenyl-2,3-dihydro-1H-pyrazole-4-carboxamide

**CAS Registry No.:** 913376-83-7

**Smiles String:**

Cc1c(c(=O)n1CC(C)(C)O)c2ccccc2C(=O)Nc3ccc(cn3)Oc4ccnc5c4ccc(c5)OC

**Molecular Weight:** 539.58

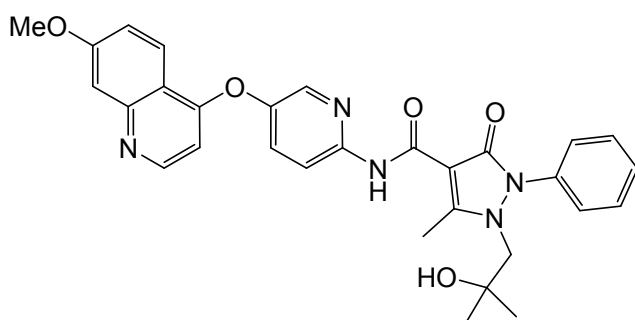
**Molecular Formula:** C<sub>30</sub>H<sub>29</sub>N<sub>5</sub>O<sub>5</sub>

**Lot Number:** Refer to vial

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

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

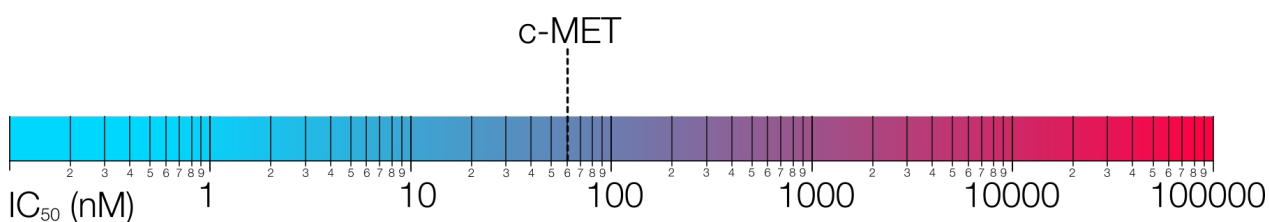
**ES-MS:** Available on request



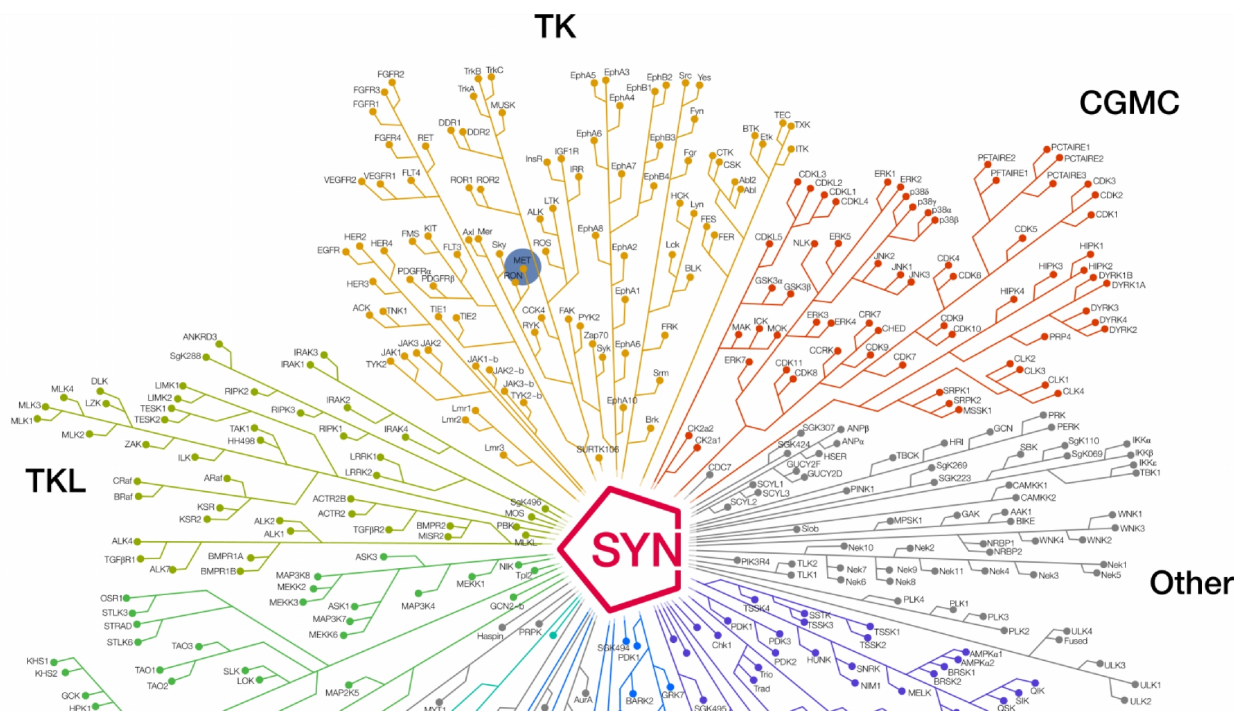
## Description:

AMG-458 is a potent inhibitor of c-Met with an IC<sub>50</sub> of 60 nM and displays selectivity against VEGFR2.

## 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 21mg/mL, Ethanol <1mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.5396	5.3960	10.7920	26.9800

---

## References

1. American College of Chest Physicians. 57th annual scientific assembly. November 4-8, 1991, San Francisco. Abstracts. Chest. 1991 Aug;100(2 Suppl):1S-152S. PubMed PMID: 1855395.

---

## 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)