

# AZD8330

# SYN-1195

2-((2-fluoro-4-iodophenyl)amino)-N-(2-hydroxyethoxy)-1,5-dimethyl-6-oxo-1,6-dihydropyridine-3-carboxamide

**CAS Registry No.:** 1204531-17-8

**Smiles String:**

O=C1C(C)=CC(C(NOCCO)=O)=C(NC2=CC=C(I)C=C2F)N1C

**Molecular Weight:** 461.23

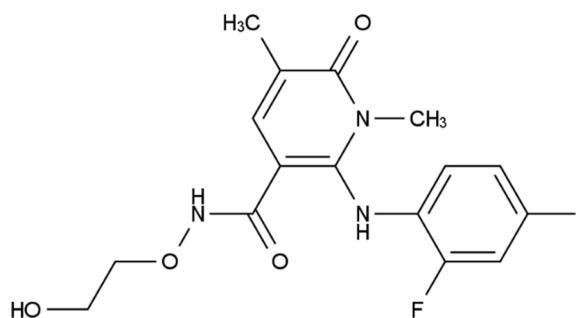
**Molecular Formula:** C<sub>16</sub>H<sub>17</sub>FIN<sub>3</sub>O<sub>4</sub>

**Lot Number:** Refer to vial

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

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

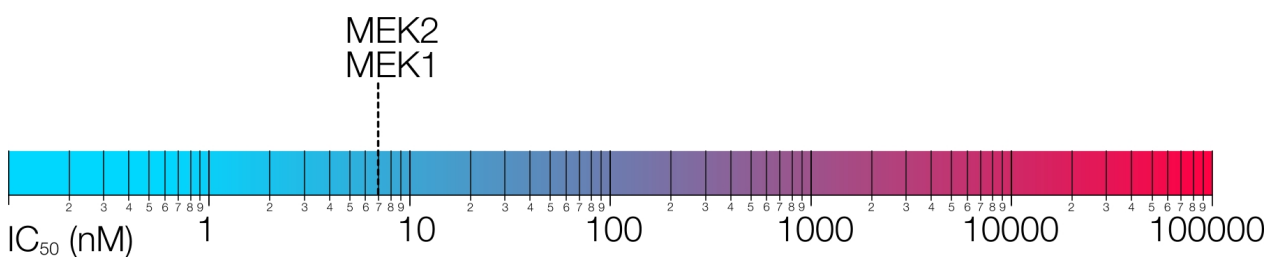
**ES-MS:** Available on request



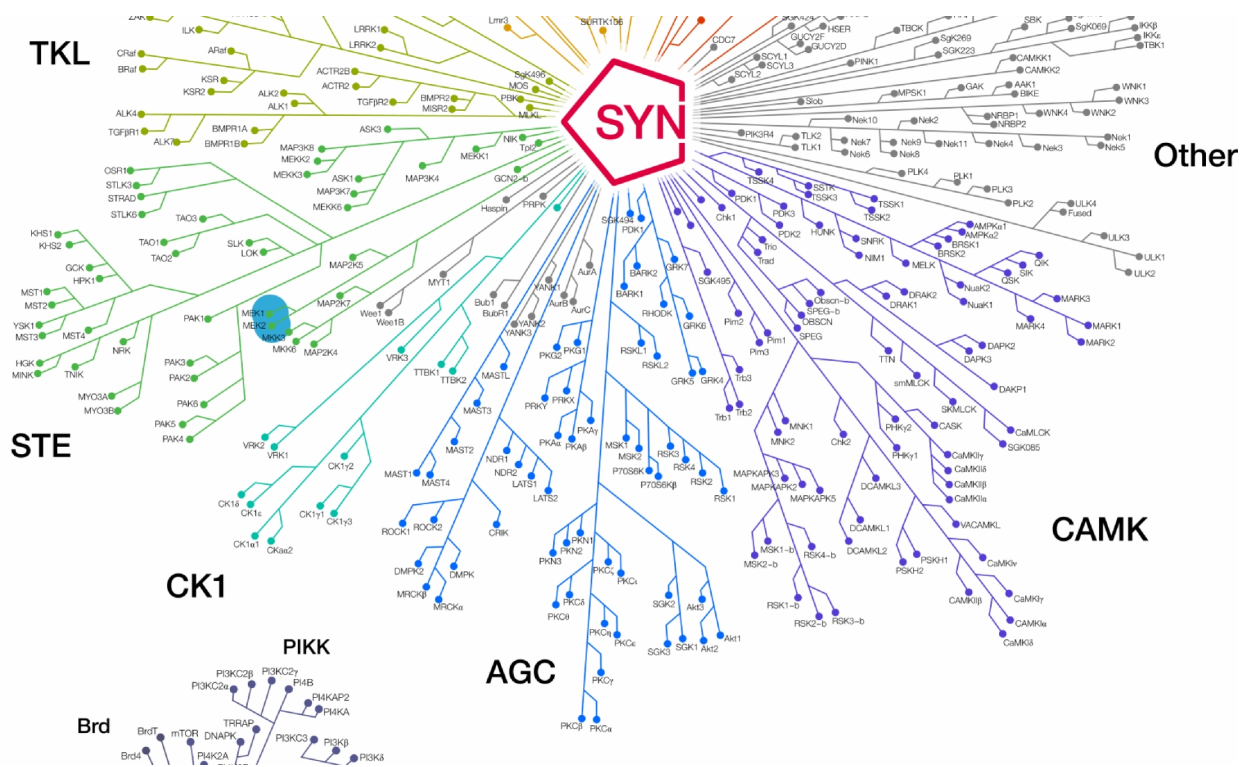
## Description:

AZD8330 is a novel, selective, non-ATP competitive MEK 1/2 inhibitor with an IC<sub>50</sub> of 7 nM.

## 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 92 mg/mL, Ethanol <92mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.4613	4.6130	9.2260	23.0650

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## References

1. Cohen RB, Aamdal S, Nyakas M, Cavallin M, Green D, Learoyd M, Smith I, Kurzrock R. A phase I dose-finding, safety and tolerability study of AZD8330 in patients with advanced malignancies. *Eur J Cancer*. 2013 May;49(7):1521-9. doi: 10.1016/j.ejca.2013.01.013. Epub 2013 Feb 21. PubMed PMID: 23433846.

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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)