

# Intedanib

**SYN-1091**

(Z)-methyl 3-((4-(N-methyl-2-(4-methylpiperazin-1-yl)acetamido)phenylamino)(phenyl)methylene)-2-oxoindoline-6-carboxylate

CAS Registry No.: 656247-17-5

## Smiles String:

CN1CCN(CC1)CC(=O)N(C)c2ccc(cc2)N/C(=C\3/c4ccc(cc4NC3=O)C(=O)OC)/c5ccccc5

Molecular Weight: 539.62

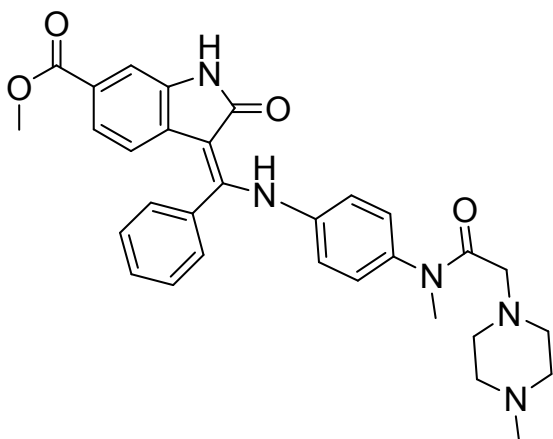
Molecular Formula: C<sub>31</sub>H<sub>33</sub>N<sub>5</sub>O<sub>4</sub>

Lot Number: Refer to vial

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

HPLC (Purity): > 95.0% @ 254 nm

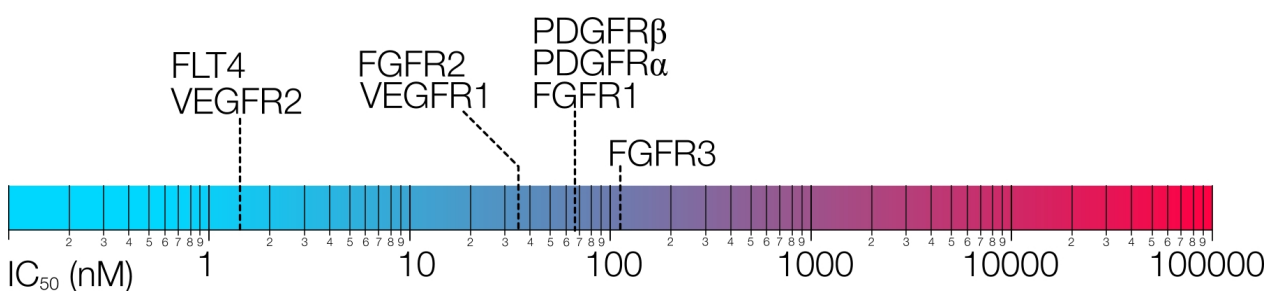
ES-MS: Available on request



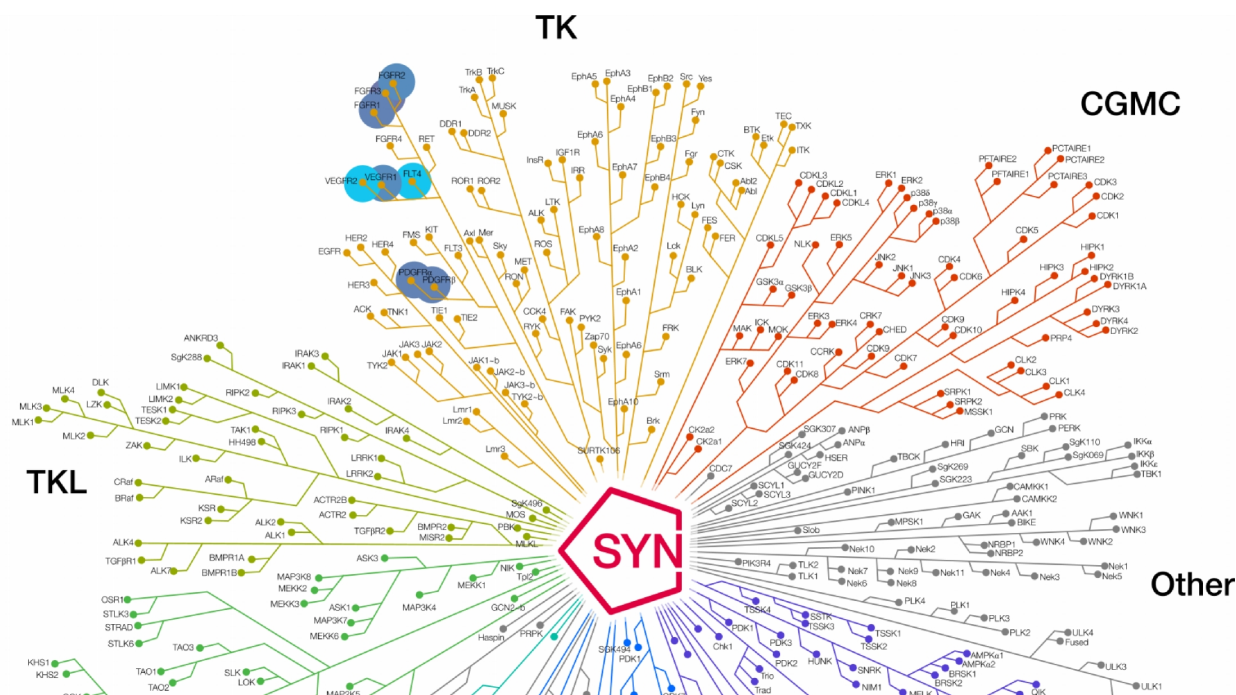
## Description:

Intedanib is an indolinone derivative that potently inhibits VEGFR1/2/3, FGFR1/2/3 and PDGFRalpha/beta with IC<sub>50</sub> values of 34, 13, 13, 69, 37, 108, 59 and 65 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 25mg/mL

## Preparing Stock Solutions

|                              |        |        |         |         |
|------------------------------|--------|--------|---------|---------|
| Stock Solution<br>(1ml DMSO) | 1mM    | 10mM   | 20mM    | 50mM    |
| Mass(mg)                     | 0.5396 | 5.3962 | 10.7924 | 26.9810 |

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## References

1. Hilberg F, Roth GJ, Krssak M, Kautschitsch S, Sommergruber W, Tontsch-Grunt U, Garin-Chesa P, Bader G, Zoephel A, Quant J, Heckel A, Rettig WJ. BIBF 1120: triple angiokinase inhibitor with sustained receptor blockade and good antitumor efficacy. Cancer Res. 2008 Jun 15;68(12):4774-82. doi: 10.1158/0008-5472.CAN-07-6307.

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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)