

**CH4987655**

**SYN-1188**

3,4-difluoro-2-((2-fluoro-4-iodophenyl)amino)-N-(2-hydroxyethoxy)-5-((3-oxo-1,2-oxazinan-2-yl)methyl)benzamide

**CAS Registry No.:** 874101-00-5

**Smiles String:**

FC1=C(F)C(CN2OCCCC2=O)=CC(C(NOC CO)=O)=C1NC3=C(F)C=C(I)C=C3

**Molecular Weight:** 565.28

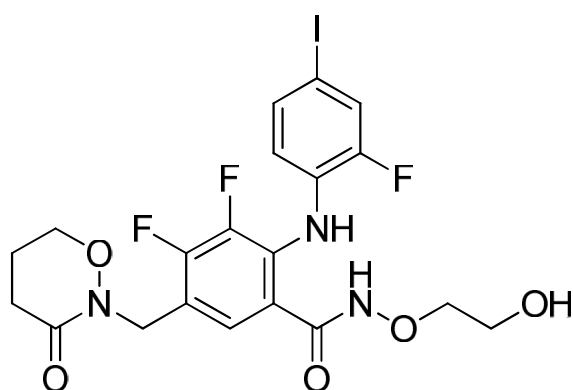
**Molecular Formula:** C<sub>20</sub>H<sub>19</sub>F<sub>3</sub>IN<sub>3</sub>O<sub>5</sub>

**Lot Number:** Refer to vial

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

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

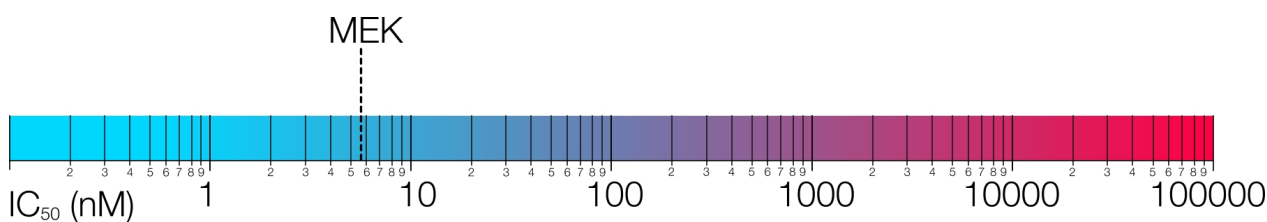
**ES-MS:** Available on request



## Description:

CH4987655 (RO4987655) is an orally active and highly selective small-molecule MEK inhibitor with an in vitro IC<sub>50</sub> of 5.2 nM.

## Biological Activity





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## References

1. Heise T, Seewaldt-Becker E, Macha S, Hantel S, Pinnetti S, Seman L, Woerle HJ. Safety, tolerability, pharmacokinetics and pharmacodynamics following 4 weeks' treatment with empagliflozin once daily in patients with type 2 diabetes. *Diabetes Obes Metab.* 2013 Jul;15(7):613-21. doi: 10.1111/dom.12073. Epub 2013 Feb 17. PubMed PMID: 23356556.

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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)