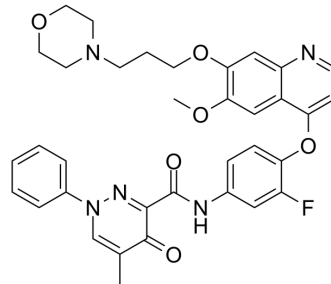


## AC-386

Cat. No.:	HY-143463
CAS No.:	1902910-89-7
Molecular Formula:	C <sub>35</sub> H <sub>34</sub> FN <sub>5</sub> O <sub>6</sub>
Molecular Weight:	639.67
Target:	c-Met/HGFR
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	AC-386 is a highly potent c-Met inhibitor with IC <sub>50</sub> value of 7.42 nM. AC-386 has antiproliferative activities against certain cancer cell lines. AC-386 can be used for researching anti-cancer resistance <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	c-Met 7.42 nM (IC <sub>50</sub> )								
<b>In Vitro</b>	<p>AC-386 (0-20 μM; 72 hours) exhibits antiproliferative activities against HCT-116, MCF-7 and A549<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Proliferation Assay</p> <table border="1"> <tr> <td>Cell Line:</td> <td>HCT-116, MCF-7 and A549<sup>[1]</sup></td> </tr> <tr> <td>Concentration:</td> <td>0-20 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>72 hours</td> </tr> <tr> <td>Result:</td> <td>Exhibited antiproliferative activities against HCT-116, MCF-7 and A549 with IC<sub>50</sub>s of 0.37 ± 0.02 μM, 0.63 ± 0.05 μM, 1.12 ± 0.10 μM in HCT-116, MCF-7 and A549, respectively.</td> </tr> </table>	Cell Line:	HCT-116, MCF-7 and A549 <sup>[1]</sup>	Concentration:	0-20 μM	Incubation Time:	72 hours	Result:	Exhibited antiproliferative activities against HCT-116, MCF-7 and A549 with IC <sub>50</sub> s of 0.37 ± 0.02 μM, 0.63 ± 0.05 μM, 1.12 ± 0.10 μM in HCT-116, MCF-7 and A549, respectively.
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## REFERENCES

[1]. Hu H, Chen F, Dong Y, et al. Discovery of Novel c-Mesenchymal-Epithelia transition factor and histone deacetylase dual inhibitors. *Eur J Med Chem.* 2020;204:112651.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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