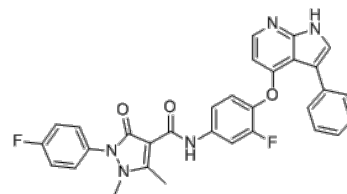


---

<b>Product Name</b>	: NPS-1034
<b>Cat. No.</b>	: PC-20334
<b>CAS No.</b>	: 1221713-92-3
<b>Molecular Formula</b>	: C <sub>31</sub> H <sub>23</sub> F <sub>2</sub> N <sub>5</sub> O <sub>3</sub>
<b>Molecular Weight</b>	: 551.55
<b>Target</b>	: TAM Receptor (Tyro3-Axl-Mer)
<b>Solubility</b>	: 10 mM in DMSO



## Biological Activity

NPS-1034 (NPS1034) is a potent, dual **MET** and **AXL** inhibitor with IC<sub>50</sub> of 48 and 10.3 nM, respectively.

NPS-1034 also inhibits other kinases, such as FLT3, KIT, and DDR1.

Combined treatment with NPS-1034 and gefitinib overcomes the drug resistance caused by MET gene amplification.

Addition of NPS-1034 to gefitinib overcomes acquired resistance to gefitinib in a xenograft model.

Addition of NPS-1034 to erlotinib overcomes AXL-mediated drug resistance.

NPS-1034 treatment enhances sensitivity to EGFR-TKIs in H820 cells.

NPS-1034 inhibits ROS1 activity and cell proliferation in HCC78 cells.

## References

Rho JK, et al. *Cancer Res.* 2014 Jan 1;74(1):253-62.

Shin JS, et al. *Invest New Drugs.* 2014 Jun;32(3):389-99.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com

---