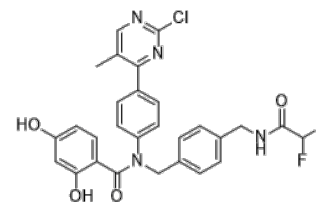


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<b>Product Name</b>	: VER-246608
<b>Cat. No.</b>	: PC-24275
<b>CAS No.</b>	: 1684386-71-7
<b>Molecular Formula</b>	: C <sub>28</sub> H <sub>23</sub> ClF <sub>2</sub> N <sub>4</sub> O <sub>4</sub>
<b>Molecular Weight</b>	: 552.96
<b>Target</b>	: Pyruvate Dehydrogenase Kinase (PDK)
<b>Solubility</b>	: 10 mM in DMSO



CAS: 1684386-71-7

## Biological Activity

VER-246608 is a potent, pan-isoform ATP-competitive inhibitor of pyruvate dehydrogenase kinase (PDK, PDHK) with IC<sub>50</sub> of 35 nM, 40 nM, 84 nM, and 91 nM for PDHK1, PDHK3, PDHK2, and PDHK4, respectively.

VER-246608 increases pyruvate dehydrogenase complex (PDC) activity, oxygen consumption and attenuated glycolytic activity.

VER-246608 is weakly anti-proliferative to cancer cells in standard culture media; however, depletion of either serum or combined D-glucose/L-glutamine resulted in enhanced cellular potency.

VER-246608 potentiates the activity of doxorubicin.

VER-246608 disrupts Warburg metabolism and induces context-dependent cytostasis in cancer cells.

## References

Moore JD, et al. *Oncotarget*. 2014 Dec 30;5(24):12862-76.

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

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