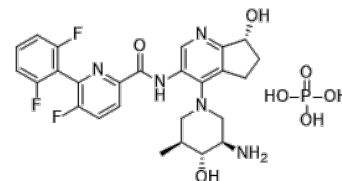


**Product Name** : INCB053914 phosphate  
**Cat. No.** : PC-22079  
**CAS No.** : 2088852-47-3  
**Molecular Formula** : C<sub>26</sub>H<sub>29</sub>F<sub>3</sub>N<sub>5</sub>O<sub>7</sub>P  
**Molecular Weight** : 611.51  
**Target** : Pim  
**Solubility** : 10 mM in DMSO



CAS: 2088852-47-3

## Biological Activity

INCB053914 (Uzansertib) phosphate is a novel potent, and selective ATP-competitive, pan-PIM kinase inhibitor with IC<sub>50</sub> of 0.24/30.0/0.12 nM for PIM1/2/3, respectively.

INCB053914 is highly selective against a panel of more than 50 kinases (>475-fold selectivity) with exception of RSK2 (IC<sub>50</sub>=7.1 uM).

INCB053914 inhibits cellular proliferation in a panel of cell lines derived from hematologic malignancies including AML, MM, DLBCL, MCL, and T-ALL with GI<sub>50</sub> of <100 nM, inhibits proliferation in all MM cell lines with GI<sub>50</sub> of 13.2-230.0 nM.

INCB053914 inhibits PIM kinase-mediated phosphorylation of BAD in MOLM-16 and KMS-12-BM cells with IC<sub>50</sub> of 4 and 27 nM, also increases PIM2 expression in KG-1a (AML), Pfeiffer, and KMS12-PE cells.

INCB053914 inhibits Bcl-2-associated death promoter protein phosphorylation and dose-dependently inhibited tumor growth in acute myeloid leukemia and multiple myeloma xenografts.

## References

Koblish H, et al. PLoS One. 2018 Jun 21;13(6):e0199108.

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

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