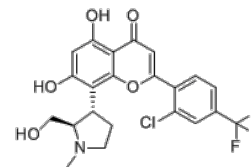


**Product Name** : Voruciclib  
**Cat. No.** : PC-61031  
**CAS No.** : 1000023-04-0  
**Molecular Formula** : C<sub>22</sub>H<sub>19</sub>ClF<sub>3</sub>NO<sub>5</sub>  
**Molecular Weight** : 469.841  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



## Biological Activity

Voruciclib (P1446A-05) is a potent, selective and orally bioavailable **CDK9** inhibitor with K<sub>i</sub> of 0.63 nM and 1.68 nM for CDK9/cyclinT2 and CDK9/cyclinT1, respectively.

Voruciclib (P1446A-05) also inhibits CDK6/cyclin D1, CDK4/cyclin D1, CDK1/cyclin B and CDK1/cyclin A with K<sub>i</sub> of 3-10 nM, shows weak activity against MAK and ICK (K<sub>i</sub>>250 nM).

Voruciclib (P1446A-05) exhibits more selective target profile than flavopiridol, represses MCL-1 protein expression in preclinical models of DLBCL.

Voruciclib (P1446A-05) causes tumor cell apoptosis and tumor growth inhibition combined with venetoclax in vivo.

## References

Dey J, et al. *Sci Rep.* 2017 Dec 21;7(1):18007.

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

E-mail: tech@probechem.com