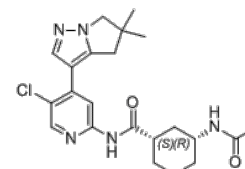


**Product Name** : AZD-4573  
**Cat. No.** : PC-35250  
**CAS No.** : 2057509-72-3  
**Molecular Formula** : C<sub>22</sub>H<sub>28</sub>ClN<sub>5</sub>O<sub>2</sub>  
**Molecular Weight** : 429.949  
**Target** : Cyclin-dependent Kinase (CDK)  
**Solubility** : 10 mM in DMSO



1, Cidado J, et al. **Clin Cancer Res.** 2019 Nov 7.  
pii: clincanres.1853.2019.

## Biological Activity

AZD-4573 (AZD4573) is a potent and selective inhibitor of **CDK9** with IC<sub>50</sub> of <4 nM, with fast-off binding kinetics and high selectivity versus other kinases, including other CDK family kinases.

AZD4573 exhibits a short half-life in multiple preclinical species and good solubility for intravenous administration.

AZD-4573 dose- and time-dependently decreases cellular pSer2-RNAPII, resulting in activation of caspase 3 and cell apoptosis in a broad range of haematological cancer cell lines.

AZD-4573 demonstrates in vivo efficacy in xenograft models derived from multiple haematological tumours.

## References

