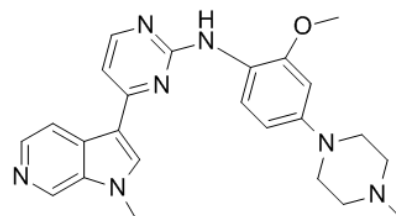


**Product Name** : AZ191  
**Cat. No.** : PC-42939  
**CAS No.** : 1594092-37-1  
**Molecular Formula** : C<sub>24</sub>H<sub>27</sub>N<sub>7</sub>O  
**Molecular Weight** : 429.5175  
**Target** : DYRK  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

AZ191 is a potent, selective **DYRK1B inhibitor** with IC<sub>50</sub> of 17 nM, displays 10-fold selectivity over DYRK1A and no activity against DYRK2 (IC<sub>50</sub>=1890 nM).

AZ191 abolishes DYRK1B driven Thr(286) phosphorylation and proteasome-dependent turnover of CCND1 (cyclin D1) in HEK-293 and PANC-1 cells, but not by GSK3β inhibitors or GSK3β RNAi.

## References

Ashford AL, et al. *Biochem J.* 2014 Jan 1;457(1):43-56.

Li Z, et al. *Cancer Lett.* 2016 Jan 28;370(2):332-44.

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

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