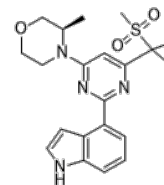


**Product Name** : AZ20  
**Cat. No.** : PC-22829  
**CAS No.** : 1233339-22-4  
**Molecular Formula** : C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 412.51  
**Target** : ATM/ATR  
**Solubility** : 10 mM in DMSO



## Biological Activity

AZ20 is a potent and selective ATR inhibitor, inhibits ATR immunoprecipitated from HeLa nuclear extracts with IC<sub>50</sub> of 5 nM and ATR mediated phosphorylation of Chk1 in HT29 colorectal adenocarcinoma tumor cells with IC<sub>50</sub> of 50 nM. AZ20 shows good selectivity against all of the PI3K isoforms together with ATM and DNA-PK in a large panel of kinases. AZ20 potently inhibits the growth of LoVo colorectal adenocarcinoma tumor cells in vitro with IC<sub>50</sub> of 0.2 μM. AZ20 (25 mg/kg twice daily, 50 mg/kg once daily, oral) shows tumor growth inhibition in LoVo xenografts in female nude mice bearing LoVo tumors.

## References

Foote KM, et al. J Med Chem. 2013 Mar 14;56(5):2125-38.

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

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