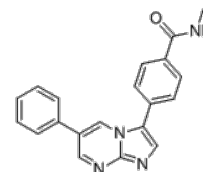


Product Name : AZ32
Cat. No. : PC-35077
CAS No. : 2288709-96-4
Molecular Formula : C₂₀H₁₆N₄O
Molecular Weight : 328.375
Target : ATM/ATR
Solubility : 10 mM in DMSO



Biological Activity

AZ32 (ATM inhibitor AZ32) is a potent, selective, orally bioavailable, BBB-penetrating **ATM** inhibitor with IC₅₀ of <6.2 nM, effectively blocks ATM auto-phosphorylation at S1981 with IC₅₀ of 0.31 μM.

AZ32 shows radiosensitizing and DDR blocking ability in vitro in a panel of human glioma cell lines with different p53 status, including LN18, U1242, and T98G (all with mutant p53), as well as DBTRG and U87MG (with wild-type p53).

AZ32 is the first ATMi with oral bioavailability shown to radiosensitize glioma and improve survival in orthotopic mouse models.

References

Karlin J, et al. *Mol Cancer Ther.* 2018 May 16. pii: molcanther.0975.2017.

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

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