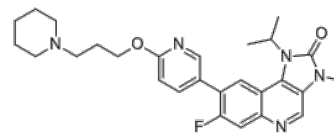


Product Name : AZD1390
Cat. No. : PC-61826
CAS No. : 2089288-03-7
Molecular Formula : C₂₇H₃₂FN₅O₂
Molecular Weight : 477.584
Target : ATM/ATR
Solubility : 10 mM in DMSO



Biological Activity

AZD1390 (AZD-1390) is a novel potent, selective, orally available and CNS penetrant **ATM** inhibitor with IC₅₀ of 0.78 nM, displays >1,000-fold selectivity over closely related (PIKKs) and distant kinases.

AZD1390 radiosensitises a panel of glioblastoma multiforme (GBM) cell lines and NCI-H2228 lung cells (IC₅₀=3 nM).

AZD1390 demonstrates potential in combination with radiation therapy for the treatment of brain tumors.

References

Kurt G. Pike. Abstract A124: Discovery of the clinical candidate AZD1390: a high-quality, potent, and selective inhibitor of ATM kinase with the ability to cross the blood-brain barrier. **AACR**. DOI: 10.1158/1535-7163.

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

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