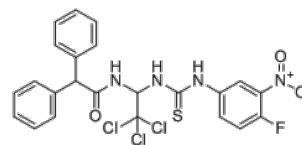


Product Name : CGK733
Cat. No. : PC-21522
CAS No. : 905973-89-9
Molecular Formula : C₂₃H₁₈Cl₃FN₄O₃S
Molecular Weight : 555.83
Target : ATM/ATR
Solubility : 10 mM in DMSO



Biological Activity

CGK733 is a specific small molecule inhibitor of **ATM** and **ATR** kinases, induces cell death in prematurely senescent breast cancer cells.

CGK733 decreases p21CIP1 levels in premature senescent MCF-7 and HCT-116 cells, also exhibits antiproliferative activity in a range of cancer cell lines.

CGK733 blocks camptothecin-induced p53 phosphorylation and protects cells from camptothecin-induced apoptosis.

References

Won J, et al. *Nat Chem Biol.* 2006 Jul;2(7):369-74.

Crescenzi E, et al. *Clin Cancer Res.* 2008 Mar 15;14(6):1877-87.

Bhattacharya S, et al. *Cell Signal.* 2009 Apr;21(4):509-22.

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

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