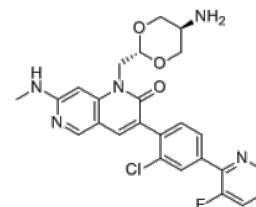


Product Name : MRIA9
Cat. No. : PC-72723
CAS No. : 2750707-05-0
Molecular Formula : C₂₅H₂₃ClFN₅O₃
Molecular Weight : 495.939
Target : Salt Inducible Kinase (SIK)
Solubility : 10 mM in DMSO



Biological Activity

MRIA9 is a potent, selective dual **SIK/PAK** inhibitor, inhibits SIK1/2/3 with cellular IC₅₀ of 586/180/127 nM, respectively. MRIA9 displays excellent selectivity in scanMAX kinase assay panel of 468 kinases. MRIA9 sensitizes ovarian cancer cells to treatment with the mitotic agent paclitaxel. MRIA9-induced inhibition of SIK2 blocks the centrosome disjunction, impairs the centrosome alignment, and causes spindle mispositioning during mitosis. MRIA9 increases chromosomal instability in ovarian cancer cell lines.

References

Tesch R, et al. *J Med Chem.* 2021 Jun 24;64(12):8142-8160.
Raab M, et al. *Cancers (Basel).* 2021 Jul 21;13(15):3658.

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

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