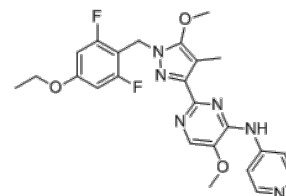


Product Name : BAY-524
Cat. No. : PC-35362
CAS No. : 1445830-39-6
Molecular Formula : C₂₄H₂₄F₂N₆O₃
Molecular Weight : 482.492
Target : Checkpoint Kinase (Chk)
Solubility : 10 mM in DMSO



Biological Activity

BAY-524 (BAY524) is a potent, selective, ATP-competitive inhibitor of **Bub1 kinase** with IC₅₀ of 450 nM. BAY-524 reduces T120 phosphorylation of histone H2A in intact cells, affects chromosome association of Shugoshin proteins and the chromosomal passenger complex (CPC), without abolishing global Aurora B function. BAY-524 impairs chromosome arm resolution with minor effects on mitotic progression or SAC function. BAY-524 sensitizes cells to Paclitaxel, impairing both chromosome segregation and cell proliferation.

References

Baron AP, et al. *Elife*. 2016 Feb 17;5. pii: e12187.

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

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