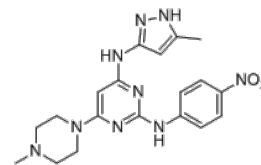


Product Name : AKI-603
Cat. No. : PC-61353
CAS No. : 1432515-73-5
Molecular Formula : C₁₉H₂₃N₉O₂
Molecular Weight : 409.454
Target : Aurora Kinase
Solubility : 10 mM in DMSO



Biological Activity

AKI-603 (AKI 603) is a small molecule **Aurora A** kinase inhibitor with IC₅₀ of 12.3 nM, also inhibits Aurora B kinase activity to a less extent.

AKI-603 disrupts normal spindle structure, and induces cell-cycle arrest.

AKI-603 suppresses stem cell properties in breast cancer cells, and also suppresses the expression of self-renewal genes (β -catenin, c-Myc, Sox2, and Oct4).

AKI-603 reduces xenograft tumor growth after intragastric administration.

References

Zheng FM, et al. *Mol Cancer Ther.* 2014 Aug;13(8):1991-2003.

Long ZJ, et al. *Int J Oncol.* 2015;46(6):2488-96.

Wang LX, et al. *Sci Rep.* 2016 Nov 8;6:35533.

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

E-mail: tech@probechem.com