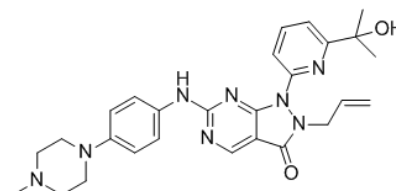


Product Name : Adavosertib
Cat. No. : PC-42770
CAS No. : 955365-80-7
Molecular Formula : C₂₇H₃₂N₈O₂
Molecular Weight : 500.5954
Target : Wee1
Solubility : 10 mM in DMSO



Biological Activity

Adavosertib (AZD-1775, MK-1775) is a potent and selective small-molecule inhibitor of **Wee1 kinase** with IC₅₀ of 5.2 nM. Adavosertib (AZD-1775, MK-1775) exhibits ATP-competitive and highly selective against other serine/threonine or tyrosine kinases.

Adavosertib (AZD-1775, MK-1775) inhibits phosphorylation of CDC2 at Tyr15 in cells.

Adavosertib (AZD-1775, MK-1775) potentiates tumor growth inhibition in vivo.

References

Hirai H, et al. *Mol Cancer Ther.* 2009 Nov;8(11):2992-3000.

Hirai H, et al. *Cancer Biol Ther.* 2010 Apr 1;9(7):514-22.

Bridges KA, et al. *Clin Cancer Res.* 2011 Sep 1;17(17):5638-48.

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

E-mail: tech@probechem.com