

Adavosertib Biochemical

Adavosertib

CATALOG #
AAA201937

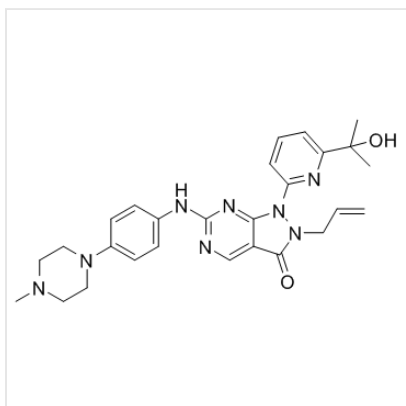
PRODUCT SYNONYMS

Adavosertib; AZD-1775; MK-1775; Adavosertib biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	98%
Suitability	10mM in DMSO
Target	Wee1
Receptor	Wee1
Pathway	Cell Cycle/DNA Damage
Chemical Name	3H-Pyrazolo[3, 4-d]pyrimidin-3-one, 1, 2-dihydro-1-[6-(1-hydroxy-1-methylethyl)-2-pyridinyl]-6-[[4-(4-methyl-1-piperazinyl)phenyl]amino]-2-(2-propen-1-yl)
SMILES	<chem>O=C1N(CC=C)N(C2=NC(C(C)(O)C)=CC=C2)C3=NC(NC4=CC=C(N5CCN(C)CC5)C=C4)=NC=C31</chem>
Molecular Formula	C27H32N8O2
CAS Number	955365-80-7
Preparation and Storage	Store at -20°C for 1 year.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Adavosertib biochemical	A potent and selective small-molecule inhibitor of Wee1 kinase with IC50 of 5.2nM; exhibits ATP-competitive and highly selective against other serine/threonine or tyrosine kinases; inhibits phosphorylation of CDC2 at Tyr15 in cells; potentiates tumor growth inhibition in vivo. Lung Cancer Phase 2 Clinical
Product Categories/Family for Adavosertib biochemical	Lung Cancer ; Cell Cycle/DNA Damage ; Cancer

References

1. Hirai H, et al. Mol Cancer Ther. 2009 Nov; 8 (11):2992-3000.
2. Hirai H, et al. Cancer Biol Ther. 2010 Apr 1; 9 (7):514-22.
3. Bridges KA, et al. Clin Cancer Res. 2011 Sep 1; 17 (17):5638-48.

NCBI AND UNIPROT INFORMATION

Molecular Weight

500.60

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/adavosertib/201937>