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## Product Datasheet

### Adavosertib, CAS [[955365-80-7]] FBM-10-4823

Artikelname	Adavosertib, CAS [[955365-80-7]]
Artikelnummer	FBM-10-4823
Hersteller Artikelnummer	10-4823
Alternativnummer	FBM-10-4823-5MG,FBM-10-4823-25MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Wee1 kinase inhibitor...
Molekulargewicht	500.61
Reinheit	>98% by TLC NMR (Conforms)
Formulierung	Yellow solid
CAS Nummer	[955365-80-7]
Formel	C27H32N8O2
Anwendungsbeschreibung	Inhibits Wee1 tyrosine kinase (IC50 = 5.2 nM) thus preventing phosphorylation of CDC2 and abrogating the G2 DNA damage checkpoint, sensitizing a variety of tumor cells to DNA damaging agents. <sup>1</sup> Adavosertib also blocks Wee1 phosphorylation of E3 ubiquitin ligase SKP2 in human cells, ultimately preventing degradation of CDKs and further allowing cell cycle progression. <sup>2</sup> Stimulates anti-tumor immunity and enhances sensitivity to immune checkpoint blockade by activating ERV and the dsRNA pathway. <sup>3</sup> Potentiates sensitivity of tumors to PARP inhibitors. <sup>4</sup>