

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### Adavosertib FBM-10-4823

Article Name	Adavosertib
Biozol Catalog Number	FBM-10-4823
Supplier Catalog Number	10-4823
Alternative Catalog Number	FBM-10-4823-5MG,FBM-10-4823-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Wee1 kinase inhibitor...
Molecular Weight	500.61
Purity	>98% by TLC NMR (Conforms)
Form	Yellow solid
CAS Number	[955365-80-7]
Formula	C27H32N8O2
Application Notes	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>