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Product Datasheet

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

Article Name	Adavosertib, CAS [[955365-80-7]]
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. ¹ Adavosertib also blocks Wee1 phosphorylation of E3 ubiquitin ligase SKP2 in human cells, ultimately preventing degradation of CDKs and further allowing cell cycle progression. ² Stimulates anti-tumor immunity and enhances sensitivity to immune checkpoint blockade by activating ERV and the dsRNA pathway. ³ Potentiates sensitivity of tumors to PARP inhibitors. ⁴