



Diagnostica Vertrieb GmbH, Oehleckerring 11-13

22419 Hamburg, Germany

Telephone: +49 (0)89 3799666-6 | **Fax:** +49 (0)89 3799666-99

E-Mail: info@biozol.de

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

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