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## Product Datasheet

### Verrucarin A, CAS [[3148-09-2]] FBM-10-3564

Article Name	Verrucarin A, CAS [[3148-09-2]]
Biozol Catalog Number	FBM-10-3564
Supplier Catalog Number	10-3564
Alternative Catalog Number	FBM-10-3564-1MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Steroid receptor coactivator-3 inhibitor...
Molecular Weight	502.56
Purity	>98% by HPLC, NMR (conforms)
Form	Off-white solid
CAS Number	[3148-09-2]
Formula	C <sub>27</sub> H <sub>34</sub> O <sub>9</sub>
Application Notes	A macrocyclic trichothecene mycotoxin from <i>Myrothecium</i> sp. It is a potent and selective inhibitor of the steroid receptor coactivator-3 and selectively down-regulates its expression. <sup>1</sup> It is cytotoxic to multiple types of cancer cells at low nM concentrations (IC <sub>50</sub> =4.9 nM for HepG2 cells) but not toward normal liver cells. <sup>1,2</sup> It enhances TNF $\alpha$ -induced <sup>3</sup> and TRAIL-induced apoptosis <sup>4</sup> . It reduces phosphorylation of IRE $\alpha$ and inhibits tunicamycin-induced ER stress in FaO rat liver cells. <sup>5</sup>