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## Product Datasheet

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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 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                    | C27H34O9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Application Notes          | A macrocyclic trichothecene mycotoxin from Myrothecium 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 TNFalpha-induced <sup>3</sup> and TRAIL-induced apoptosis <sup>4</sup> . It reduces phosphorylation of IREalpha and inhibits tunicamycin-induced ER stress in FaO rat liver cells. <sup>5</sup> |