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## Product Datasheet

### Splitomicin, CAS [[5690-03-9]] FBM-10-2615

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| Artikelname              | Splitomicin, CAS [[5690-03-9]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Artikelnummer            | FBM-10-2615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Hersteller Artikelnummer | 10-2615                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Alternativnummer         | FBM-10-2615-5MG, FBM-10-2615-25MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Produktbeschreibung      | Sirt1 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Molekulargewicht         | 198.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reinheit                 | 98% by TLC, NMR (Conforms)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Formulierung             | White solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| CAS Nummer               | [5690-03-9]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Formel                   | C13H10O2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Anwendungsbeschreibung   | Initially shown to inhibit Sir2p (the yeast Sirt1 homolog) and create a conditional phenocopy of a sir2 deletion mutant in <i>S. cerevisiae</i> <sup>1</sup> . Cells grown in the presence of the drug have silencing defects at telomeres, silent mating-type loci and the ribosomal DNA1. Inhibits all class III HDACs (sirtuins) and alleviates gene silencing in Fragile X mental retardation syndrome <sup>2</sup> . Reverses ischemic preconditioning-induced cardioprotection in a mouse model <sup>3</sup> . |