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## Product Datasheet

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

Article Name	Splitomicin, CAS [[5690-03-9]]
Biozol Catalog Number	FBM-10-2615
Supplier Catalog Number	10-2615
Alternative Catalog Number	FBM-10-2615-5MG, FBM-10-2615-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Sirt1 inhibitor...
Molecular Weight	198.22
Purity	98% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[5690-03-9]
Formula	C13H10O2
Application Notes	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> .