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## Product Datasheet

### Tunicamycin, CAS [[11089-65-9]] FBM-10-2111

Article Name	Tunicamycin, CAS [[11089-65-9]]
Biozol Catalog Number	FBM-10-2111
Supplier Catalog Number	10-2111
Alternative Catalog Number	FBM-10-2111-5MG, FBM-10-2111-25MG, FBM-10-2111-10MM/1MLDMSO
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	ER stress inducer...
Molecular Weight	Avg 840.0
Purity	99% by TLC, NMR (Conforms)
Form	White solid
CAS Number	[11089-65-9]
Formula	C <sub>38</sub> H <sub>62</sub> N <sub>4</sub> O <sub>16</sub> (tun. B)
Application Notes	Fermentation product from <i>Streptomyces lysosuperificus</i> . Provided as a mixture of tunicamycin A (C14), B (C15), C (C16) and D (C17) homologs varying in the number of carbon atoms in the fatty acid chain. The structure shown above is for tunicamycin B (the C15 homolog) Potent inhibitor of GlcNAc phosphotransferase which thereby inhibits glycoprotein biosynthesis <sup>1</sup> . Causes endoplasmic reticulum stress-induced autophagy <sup>2</sup> and unfolded protein response <sup>3</sup> . Arrests cell cycle in late G14.