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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 ₃₈ H ₆₂ N ₄ O ₁₆ (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 ¹ . Causes endoplasmic reticulum stress-induced autophagy ² and unfolded protein response ³ . Arrests cell cycle in late G14.