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Product Datasheet

MreB Inhibitor A22 FBM-10-5275

Article Name	MreB Inhibitor A22
Biozol Catalog Number	FBM-10-5275
Supplier Catalog Number	10-5275
Alternative Catalog Number	FBM-10-5275-10MG,FBM-10-5275-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Disrupts bacterial actin cytoskeleton...
Molecular Weight	271.58
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[22816-60-0]
Formula	C ₈ H ₈ Cl ₂ N ₂ S HCl
Application Notes	A22 disrupts the actin cytoskeleton of bacteria causing defects in morphology and chromosome segregation. ¹ It is a competitive inhibitor of ATP binding to MreB and has the ability to disassemble the actin cytoskeleton in bacterial cells. ¹ It displays antibacterial activity against <i>P. aeruginosa</i> (among many others) including multidrug-resistant clinical isolates and points to MreB as a new target for antibacterial development. ² A22 significantly disrupts biofilm formation by interfering with the ability of bacterial cells to maintain shape and adherence to surfaces. ³