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Product Datasheet

MreB Inhibitor A22 FBM-10-5275

Artikelname	MreB Inhibitor A22
Artikelnummer	FBM-10-5275
Hersteller Artikelnummer	10-5275
Alternativnummer	FBM-10-5275-10MG,FBM-10-5275-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Disrupts bacterial actin cytoskeleton...
Molekulargewicht	271.58
Reinheit	>98% by HPLC NMR (Conforms)
Formulierung	Off-white solid
CAS Nummer	[22816-60-0]
Formel	C ₈ H ₈ Cl ₂ N ₂ S HCl
Anwendungsbeschreibung	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