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Product Datasheet

MAC-545496, CAS [[838810-96-1]] FBM-10-3951

Article Name	MAC-545496, CAS [[838810-96-1]]
Biozol Catalog Number	FBM-10-3951
Supplier Catalog Number	10-3951
Alternative Catalog Number	FBM-10-3951-5MG, FBM-10-3951-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	GraR inhibitor...
Molecular Weight	419.88
Purity	98% by TLC NMR (Conforms)
Form	Yellow/orange solid
CAS Number	[838810-96-1]
Formula	C18H18CIN5O3S
Application Notes	Inhibitor of glycopeptide-resistance-associated protein R (GraR, also known as ApsR). GraR and its regulatory system are important for virulence of <i>S. aureus</i> . MAC-545496 is able to reverse β -lactam resistance in <i>S. aureus</i> in a <i>G. Mellonella</i> larvae model. 0.06 $\mu\text{g/mL}$ MAC-545496 lowered the minimum inhibitory concentration (MIC) for oxacillin against <i>S. aureus</i> below the CLSI clinical breakpoint. It lowered the β -lactam MIC from 512 to 8 $\mu\text{g/mL}$ against <i>S. aureus</i> USA300.