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Product Datasheet

Surfactin FBM-10-5131

Article Name	Surfactin
Biozol Catalog Number	FBM-10-5131
Supplier Catalog Number	10-5131
Alternative Catalog Number	FBM-10-5131-1MG,FBM-10-5131-5MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Lipopeptide biosurfactant...
Molecular Weight	1036.36 (based on C15 subunit)
Purity	>98% TLC, HPLC shows mixture of isomers with C14 and C15 side chains predominating.1 NMR (Conforms)
Form	White to off-white solid
CAS Number	[24730-31-2]
Formula	C53H93N7O13 (based on C15 subunit)
Application Notes	Lipopeptide biosurfactant ² which displays various activities including antifungal and antibacterial as well as inhibition of fibrin clot formation ³ . Selectively inhibits cytosolic PLA ₂ (IC ₅₀ =8.5 mM) suppressing PLA ₂ -mediated inflammatory responses. ⁴ Induces ER stress-mediated apoptosis via IRE1-ASK1-JNK signaling in human osteosarcoma cells. ⁵