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## Product Datasheet

### Surfactin, CAS [[24730-31-2]] FBM-10-5131

Article Name	Surfactin, CAS [[24730-31-2]]
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 <sup>2</sup> which displays various activities including antifungal and antibacterial as well as inhibition of fibrin clot formation <sup>3</sup> . Selectively inhibits cytosolic PLA2 (IC <sub>50</sub> =8.5 mM) suppressing PLA2-mediated inflammatory responses. <sup>4</sup> Induces ER stress-mediated apoptosis via IRE1-ASK1-JNK signaling in human osteosarcoma cells. <sup>5</sup>