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Product Datasheet

Myriocin (ISP-1), CAS [[35891-70-4]]

FBM-10-2088

Article Name	Myriocin (ISP-1), CAS [[35891-70-4]]
Biozol Catalog Number	FBM-10-2088
Supplier Catalog Number	10-2088
Alternative Catalog Number	FBM-10-2088-5MG, FBM-10-2088-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Blocks sphingolipid biosynthesis...
Molecular Weight	401.54
Purity	>98%
Form	Off-white solid
CAS Number	[35891-70-4]
Formula	C ₂₁ H ₃₉ NO ₆
Application Notes	Myriocin is a fungal metabolite with potent immunosuppressant activity. ¹ It inhibits serine palmitoyltransferase (Ki = 0.28 nM) blocking the synthesis of ceramide. ² It was found to suppress melanoma cell proliferation by cell cycle arrest at the G ₂ /M phase through decreased sphingolipid levels and increased p53 and p21 (waf1/cip1) expression. ³