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Product Datasheet

Rapamycin, CAS [[53123-88-9]] FBM-10-1104

Article Name	Rapamycin, CAS [[53123-88-9]]
Biozol Catalog Number	FBM-10-1104
Supplier Catalog Number	10-1104
Alternative Catalog Number	FBM-10-1104-10MG, FBM-10-1104-50MG, FBM-10-1104-10MM/1MLDMSO
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	mTOR inhibitor...
Molecular Weight	914.17
Purity	98% NMR Conforms
Form	White solid
CAS Number	[53123-88-9]
Formula	C ₅₁ H ₇₉ NO ₁₃
Application Notes	Clinically useful immunosuppressant. Inhibits the response to interleukin-2 blocking activation of T- and B-cells. ¹ Rapamycin forms a complex with cytosolic FK-binding protein 12 (FKB12) that binds to mTOR Complex1(mTORC1) inhibiting the mammalian target of rapamycin (mTOR). ² Also binds to mTORC2 leading to decreased glucose tolerance and insensitivity to insulin. ³ Induces autophagy. ⁴