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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 <sub>51</sub> H <sub>79</sub> NO <sub>13</sub>
Application Notes	Clinically useful immunosuppressant. Inhibits the response to interleukin-2 blocking activation of T- and B-cells. <sup>1</sup> Rapamycin forms a complex with cytosolic FK-binding protein 12 (FKB12) that binds to mTOR Complex1(mTORC1) inhibiting the mammalian target of rapamycin (mTOR). <sup>2</sup> Also binds to mTORC2 leading to decreased glucose tolerance and insensitivity to insulin. <sup>3</sup> Induces autophagy. <sup>4</sup>