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Product Datasheet

SRT1720 HCl, CAS [[1001645-58-4]]
FBM-10-4628

Article Name	SRT1720 HCl, CAS [[1001645-58-4]]
Biozol Catalog Number	FBM-10-4628
Supplier Catalog Number	10-4628
Alternative Catalog Number	FBM-10-4628-5MG,FBM-10-4628-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	SIRT1 activator...
Molecular Weight	506.02
Purity	98% by HPLC NMR (Conforms)
Form	Yellow solid
CAS Number	[1001645-58-4]
Formula	C ₂₅ H ₂₃ N ₇ O ₅ SHCl
Application Notes	<p>SIRT1 activator (EC_{1.5} = 0.16 μM, max activation = 781%).¹ It reduced glucose levels and hyperinsulinemia in DIO, Lepob/ob mice and Zucker fa/fa rats. SRT1720 enhanced endurance running and protected against diet-induced obesity and insulin resistance via enhancement of oxidative metabolism in skeletal muscle, liver, and brown adipose tissue.² It induced mitochondrial biogenesis in oxidant-induced renal proximal tube cell injury.³ SRT1720 repressed circadian clock gene expression and decreased H3 K9/K14 acetylation in a time-specific manner.⁴ It attenuated angiotensin II-induced atherosclerosis by inhibiting the vascular inflammatory response.⁵</p>