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## Product Datasheet

**SRT1720 HCI**

**FBM-10-4628**

Article Name	SRT1720 HCl
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 <sub>25</sub> H <sub>23</sub> N <sub>7</sub> O <sub>5</sub> SHCl
Application Notes	<p>SIRT1 activator (EC<sub>1.5</sub> = 0.16 μM, max activation = 781%).<sup>1</sup> 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.<sup>2</sup> It induced mitochondrial biogenesis in oxidant-induced renal proximal tube cell injury.<sup>3</sup> SRT1720 repressed circadian clock gene expression and decreased H3 K9/K14 acetylation in a time-specific manner.<sup>4</sup> It attenuated angiotensin II-induced atherosclerosis by inhibiting the vascular inflammatory response.<sup>5</sup></p>