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## Product Datasheet

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

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| 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                    | C25H23N7OSHCl                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Application Notes          | <p>SIRT1 activator (EC1.5 = 0.16 <math>\mu</math>M, 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> |