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## Product Datasheet

### Streptonigrin, CAS [[3930-19-6]] FBM-10-3484

Article Name	Streptonigrin, CAS [[3930-19-6]]
Biozol Catalog Number	FBM-10-3484
Supplier Catalog Number	10-3484
Alternative Catalog Number	FBM-10-3484-1MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Induces heterochromatin formation...
Molecular Weight	506.47
Purity	>95% HPLC, NMR (Conforms)
Form	Black solid
CAS Number	[3930-19-6]
Formula	C <sub>25</sub> H <sub>22</sub> N <sub>4</sub> O <sub>8</sub>
Application Notes	<p>Streptonigrin promotes heterochromatin formation at concentrations as low as 1 nM, a concentration at which there was no effect on proliferation or viability.<sup>1</sup> Inhibits the SUMO-specific protease SENP1 resulting in increased global SUMOylation levels and reduced level of HIF1alpha.<sup>2</sup> Stabilizes p53 via inhibition of transglutaminase 2 resulting in p53-mediated apoptosis in renal cell carcinoma cells.<sup>3</sup> Cytotoxic to fast-cycling melanoma cells but leaves a small population of slow-dividing cells unaffected and may be considered a tool to enrich cultures with cells exhibiting melanoma stem cell characteristics.<sup>4</sup></p>