

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

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 ₂₅ H ₂₂ N ₄ O ₈
Application Notes	Streptonigrin promotes heterochromatin formation at concentrations as low as 1 nM, a concentration at which there was no effect on proliferation or viability. ¹ Inhibits the SUMO-specific protease SENP1 resulting in increased global SUMOylation levels and reduced level of HIF1alpha. ² Stabilizes p53 via inhibition of transglutaminase 2 resulting in p53-mediated apoptosis in renal cell carcinoma cells. ³ 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. ⁴