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Product Datasheet

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

Artikelname	Streptonigrin, CAS [[3930-19-6]]
Artikelnummer	FBM-10-3484
Hersteller Artikelnummer	10-3484
Alternativnummer	FBM-10-3484-1MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	Induces heterochromatin formation...
Molekulargewicht	506.47
Reinheit	>95% HPLC, NMR (Conforms)
Formulierung	Black solid
CAS Nummer	[3930-19-6]
Formel	C ₂₅ H ₂₂ N ₄ O ₈
Anwendungsbeschreibung	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