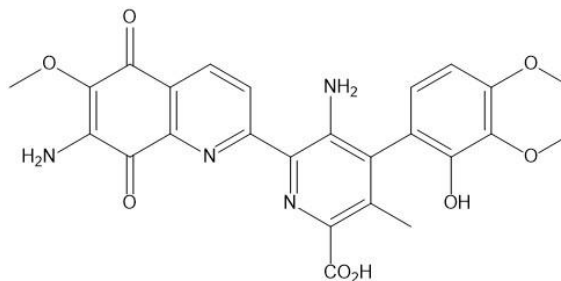


Catalog	Unit
TBI3484- 1MG	1 mg

Product Details

Formal Name: 5-amino-6-(7-amino-6-methoxy-5,8-dioxoquinolin-2-yl)-4-(2-hydroxy-3,4-dimethoxyphenyl)-3-methylpyridine-2-carboxylic acid
Alternate Names: Bruneomycin, NSC-45383
Molecular Formula: C₂₅H₂₂N₄O₈
Formula Weight: 506.47
CAS Number: 3930-19-6
Purity: >95%
Formulation: Powder
Solubility: Soluble in DMSO
Storage: -20°C
Stability: ≥ 2 years.



Applications

Induces heterochromatin formation

Functions

Streptonigrin (3930-19-6) promotes heterochromatin formation at concentrations as low as 1 nM, a concentration at which there was no effect on proliferation or viability. Inhibits the SUMO-specific protease SENP1 resulting in increased global SUMOylation levels and reduced level of HIF1 α . Stabilizes p53 via inhibition of transglutaminase 2 resulting in p53-mediated apoptosis in renal cell carcinoma cells. 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.

Application Procedures

First dissolved in DMSO, then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

Relative Products

TBI1170	Mitomycin C
TBI1345	E64, Cysteine protease inhibitor
TBI1347	E64d, Cysteine protease inhibitor
TBI2064	Chromomycin A3
TBI2069	Cytochalasin B
TBI2794	5-EDU, DNA Click labeling probe
TBI2071	Cytochalasin D
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI2140	Gemcitabine
TBI2058	Aphidicolin, DNA polymerase Inhibitor

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