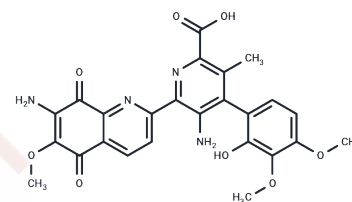


## Streptonigrin

## Chemical Properties

CAS No. :	3930-19-6
Formula:	C <sub>25</sub> H <sub>22</sub> N <sub>4</sub> O <sub>8</sub>
Molecular Weight:	506.46
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Streptonigrin is a natural product produced by <i>Streptomyces flocculus</i> , has both anti-tumor and anti-bacterial activity. Streptonigrin acts as a pan-PAD inhibitor (IC <sub>50</sub> s: 48.3 ±34.2 μM, 26.1±0.3 μM, 0.43±0.03 μM, and 2.5±0.4 μM for PAD1, PAD2, PAD3, and PAD4, respectively).
Targets(IC <sub>50</sub> )	Apoptosis,Others,E1/E2/E3 Enzyme,HIF/HIF Prolyl-Hydroxylase,Antibiotic,PAD,MDM-2/p53

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9745 mL	9.8724 mL	19.7449 mL
5 mM	0.3949 mL	1.9745 mL	3.949 mL
10 mM	0.1974 mL	0.9872 mL	1.9745 mL
50 mM	0.0395 mL	0.1974 mL	0.3949 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Dreyton CJ, et al. Insights into the mechanism of Streptonigrin-induced protein arginine deiminase inactivation. *Bioorg Med Chem.* 2014 Feb 15;22(4):1362-9.

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