



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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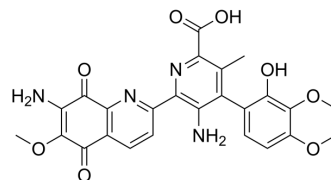
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## Streptonigrin

Cat. No.:	HY-124586		
CAS No.:	3930-19-6		
Molecular Formula:	C <sub>25</sub> H <sub>22</sub> N <sub>4</sub> O <sub>8</sub>		
Molecular Weight:	506.46		
Target:	Protein Arginine Deiminase; Antibiotic		
Pathway:	Epigenetics; Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

Description	Streptonigrin (Bruneomycin), a natural product produced by <i>Streptomyces flocculus</i> , possesses both anti-tumor and anti-bacterial activity. Streptonigrin acts as a pan-PAD inhibitor with IC <sub>50</sub> s of 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 <sup>[1]</sup> .
IC <sub>50</sub> & Target	Anti-bacterial <sup>[1]</sup> IC <sub>50</sub> : 48.3±34.2 μM (PAD1), 26.1±0.3 μM, (PAD2), 0.43±0.03 μM (PAD3), 2.5±0.4 μM (PAD4) <sup>[1]</sup>

### CUSTOMER VALIDATION

- Sci Signal. 2023 Mar 14;16(776):eabq33362.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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