



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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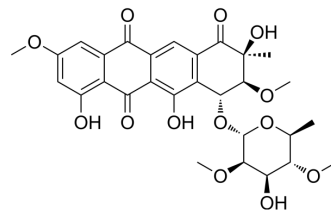
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## Steffimycin B

Cat. No.:	HY-N8470
CAS No.:	54526-94-2
Molecular Formula:	C <sub>29</sub> H <sub>32</sub> O <sub>13</sub>
Molecular Weight:	588.56
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Steffimycin B is an anthracycline bacterial metabolite originally isolated from *Streptomyces*. It binds to DNA, preferentially intercalating at sites containing cytosine and guanine.<sup>2</sup> Steffimycin B is cytotoxic to MCF-7, KB, NCI-H187, and Vero cells (IC<sub>50</sub>s=3.5, 6.75, 3.28, and 10.5 μM, respectively). It is active against *M. tuberculosis* (MIC=5.2 nM), *B. cereus* (MIC=1.56 μg/mL), and *P. falciparum* (IC<sub>50</sub>=2.19 μM).

### REFERENCES

[1]. Trenado-Urbe, et al. Antimycobacterial activity of an anthracycline produced by an endophyte isolated from *Amphipterygium adstringens*. *Mol. Biol. Rep.* 45(6), 2563-2570 (2018).

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

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