



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Bacitracin A

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<b>Cat. No.:</b>	HY-W587753
<b>CAS No.:</b>	22601-59-8
<b>Molecular Formula:</b>	C <sub>66</sub> H <sub>103</sub> N <sub>17</sub> O <sub>16</sub> S
<b>Molecular Weight:</b>	1422.69
<b>Target:</b>	Antibiotic; Bacterial
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Bacitracin A is an antibiotic, which exhibits antibacterial activity against gram-positive bacteria. Bacitracin A forms complex with long-chain polyisoprenyl pyrophosphates in presence of metal ions, dephosphorylates the lipid carrier intermediate C<sub>55</sub>-bactoprenyl pyrophosphate, inhibits thus the bacterial cell wall biosynthesis<sup>[1]</sup>.

### REFERENCES

[1]. Scogin DA, et al., Binding of nickel and zinc ions to bacitracin A. *Biochemistry*. 1980 Jul 8;19(14):3348-52.

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

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