



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

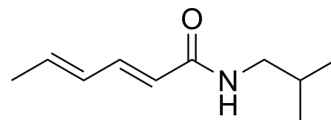
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Antibacterial agent 210

Cat. No.:	HY-163508
Molecular Formula:	C <sub>10</sub> H <sub>17</sub> NO
Molecular Weight:	167.25
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Antibacterial agent 210 (compound A9), an amide derivative, is a <i>Pseudomonas aeruginosa</i> quorum sensing inhibitor (QSI). Antibacterial agent 210 inhibits the quorum sensing systems by binding with LasR and PqsR, especially PqsR <sup>[1]</sup> .
<b>In Vitro</b>	Antibacterial agent 210 (compound A9; 160 µg/mL) inhibits the virulence factors of <i>P. aeruginosa</i> . Antibacterial agent 210 significantly reduces the production of PAO1 biofilms. Antibacterial agent 210 inhibits the swarming motility of <i>P. aeruginosa</i> . Antibacterial agent 210 also inhibits the expression of genes related to the QS systems in <i>P. aeruginosa</i> <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Zhe He, et al. Discovery of novel amide derivatives as potent quorum sensing inhibitors of *Pseudomonas aeruginosa*. *Eur J Med Chem.* 2024 Apr 13;271:116410.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA