



# 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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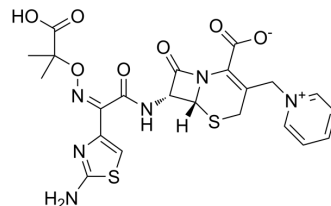
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## Ceftazidime (Standard)

Cat. No.:	HY-B0593R
CAS No.:	72558-82-8
Molecular Formula:	C <sub>22</sub> H <sub>22</sub> N <sub>6</sub> O <sub>7</sub> S <sub>2</sub>
Molecular Weight:	546.58
Target:	Beta-lactamase; Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Ceftazidime (Standard) is the analytical standard of Ceftazidime. This product is intended for research and analytical applications. Ceftazidime (GR20263), an antibiotic, has a broad spectrum activity against Gram-positive and Gram-negative aerobic bacteria. Ceftazidime is also active against Enterobacteriaceae (including  $\beta$ -lactamase-positive strains) and is resistant to hydrolysis by most  $\beta$ -lactamases<sup>[1]</sup>.

### REFERENCES

- [1]. Richards DM, et al. Ceftazidime. A review of its antibacterial activity, pharmacokinetic properties and therapeutic use. *Drugs*. 1985 Feb;29(2):105-61.
- [2]. Esmat Kamali, et al. In vitro activities of cellulase and ceftazidime, alone and in combination against *Pseudomonas aeruginosa* biofilms. *BMC Microbiol*. 2021 Dec 16;21(1):347.
- [3]. Qiuxia Lin, et al. Avibactam potentiated the activity of both ceftazidime and aztreonam against *S. maltophilia* clinical isolates in vitro. *BMC Microbiol*. 2021 Feb 22;21(1):60.
- [4]. Shawn H MacVane, et al. Unexpected in vivo activity of ceftazidime alone and in combination with avibactam against New Delhi metallo- $\beta$ -lactamase-producing Enterobacteriaceae in a murine thigh infection model. *Antimicrob Agents Chemother*. 2014 Nov;58(11):7007-9.

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

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