



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

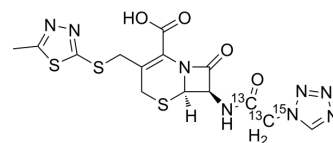
mail@szabo-scandic.com

www.szabo-scandic.com

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

Cefazolin-¹³C₂, ¹⁵N

Cat. No.:	HY-B1892S1
CAS No.:	2101505-58-0
Molecular Formula:	C ₁₂ ¹³ C ₂ H ₁₄ N ₇ ¹⁵ NO ₄ S ₃
Molecular Weight:	457.49
Target:	Isotope-Labeled Compounds; Antibiotic; Bacterial
Pathway:	Others; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cefazolin-¹³C₂, ¹⁵N (Cephazolin-¹³C₂, ¹⁵N) is ¹³C and ¹⁵N labeled Cefazolin. Cefazolin (Cephazolin) is a first-generation cephalosporin antibiotic and can be used in varieties of bacterial infections research^[1]. Cefazolin has anti-inflammatory effect and can attenuate post-operative cognitive dysfunction (POCD)^[2].

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. R Quintiliani, et al. Cefazolin. *Ann Intern Med*. 1978 Nov;89(5 Pt 1):650-6.
- [3]. Peng Liang, et al. Perioperative use of cefazolin ameliorates postoperative cognitive dysfunction but induces gut inflammation in mice. *J Neuroinflammation*. 2018 Aug 22;15(1):235.
- [4]. Barbara Żyżyńska-Granica, et al. The anti-inflammatory potential of cefazolin as common gamma chain cytokine inhibitor. *Sci Rep*. 2020 Feb 19;10(1):2886.

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