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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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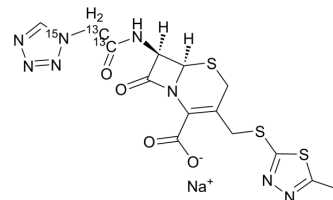
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Cefazolin-¹³C₂, ¹⁵N sodium

Cat. No.:	HY-W654098
CAS No.:	1346602-30-9
Molecular Formula:	C ₁₂ ¹³ C ₂ H ₁₃ N ₇ ¹⁵ NNaO ₄ S ₃
Molecular Weight:	479.47
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 (sodium) is ¹³C and ¹⁵N labeled Cefazolin (sodium). Cefazolin sodium is a first-generation cephalosporin antibiotic and can be used in varieties of bacterial infections research^{[1][2][3]}. Cefazolin sodium has anti-inflammatory effect and can attenuate post-operative cognitive dysfunction (POCD).

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.

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