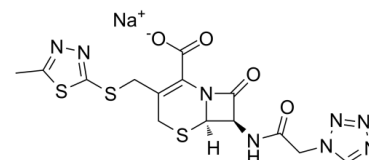


Data Sheet

Product Name:	Cefazolin (sodium)
Cat. No.:	CS-4634
CAS No.:	27164-46-1
Molecular Formula:	C ₁₄ H ₁₃ N ₈ NaO ₄ S ₃
Molecular Weight:	476.49
Target:	Bacterial
Pathway:	Anti-infection
Solubility:	H ₂ O : ≥ 36 mg/mL (75.55 mM)



BIOLOGICAL ACTIVITY:

Cefazolin sodium is a first-generation cephalosporin antibiotic, useful for the treatment of a number of bacterial infections.

References:

- [1]. Kirby WM, et al. Pharmacokinetics of cefazolin compared with four other cephalosporins. *J Infect Dis.* 1973 Oct;128:Suppl:S341-6.
- [2]. Edin ML, et al. Effect of cefazolin and vancomycin on osteoblasts in vitro. *Clin Orthop Relat Res.* 1996 Dec;(333):245-51.

CAIndexNames:

5-Thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 3-[[[5-methyl-1,3,4-thiadiazol-2-yl)thio)methyl]-8-oxo-7-[[2-(1H-tetrazol-1-yl)acetyl]amino]-, sodium salt (1:1), (6R,7R)-

SMILES:

O=C(C(N12)=C(CSC3=NN=C(C)S3)CS[C@]2([H])[C@H](NC(CN4N=NN=C4)=O)C1=O)[O-].[Na+]

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

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