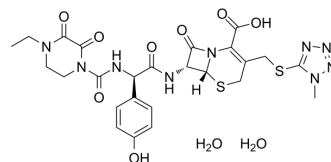


Cefoperazone dihydrate

Cat. No.:	HY-B0210C
CAS No.:	113826-44-1
Molecular Formula:	C ₂₅ H ₃₁ N ₉ O ₁₀ S ₂
Molecular Weight:	681.7
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cefoperazone dihydrate, a semisynthetic cephalosporin, has a broad spectrum of antibacterial activity ^[1] .	
IC ₅₀ & Target	β-lactam	β-lactam
In Vitro	Cefoperazone (Aerosol treatment, 60 μg/mL final concentration in lung homogenate) protects granulocytopenic mice from acute <i>Pseudomonas aeruginosa</i> pneumonia ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

CUSTOMER VALIDATION

- Carbohydr Polym. 2023 Jan 1, 323, 121379.
- Toxicol Appl Pharmacol. 2023 Mar 6;116447.
- J Antibiot (Tokyo). 2023 Feb 1.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. N Matsubara, et al. In vitro antibacterial activity of cefoperazone (T-1551), a new semisynthetic cephalosporin. *Antimicrob Agents Chemother.* 1979 Dec;16(6):731-5.
- [2]. Pedro H.Di Rocco, et al. Aerosol treatment with cefoperazone or gentamicin protects granulocytopenic mice from acute *Pseudomonas aeruginosa* pneumonia. *European Journal of Pharmaceutical Sciences* Volume 1, Issue 6, June 1994, Pages 285-289.

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

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