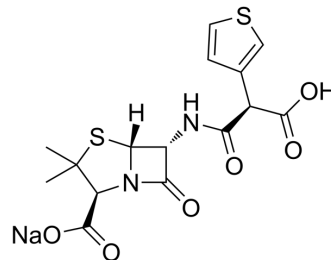


Ticarcillin monosodium

Cat. No.:	HY-139805A
CAS No.:	74682-62-5
Molecular Formula:	C ₁₅ H ₁₅ N ₂ NaO ₆ S ₂
Molecular Weight:	406.41
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ticarcillin monosodium is a semisynthetic, extended-spectrum, carboxypenicillin antibacterial agent, and is active against gram-positive cocci, including streptococci and staphylococci. Ticarcillin monosodium is also effective against most gram-negative organisms, including *Pseudomonas aeruginosa*. Ticarcillin monosodium can be used in lower respiratory tract infections, skin and skin structure infections, urinary tract infections, and intraabdominal infections research^{[1][2][3]}.

CUSTOMER VALIDATION

- Antimicrob Agents Chemother. 2023 May 18;e0160322.
- Microbiol Spectr. 2023 Apr 24;e0069223.
- Microbiol Spectr. 2022 Dec 8;e0303822.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Cecile Formosa, et al. Nanoscale effects of antibiotics on *P. aeruginosa*. *Nanomedicine*. 2012 Jan;8(1):12-6.
- [2]. Oriel Spierer, et al. Comparative activity of antimicrobials against *Pseudomonas aeruginosa*, *Achromobacter xylosoxidans* and *Stenotrophomonas maltophilia* keratitis isolates. *Br J Ophthalmol*. 2018 May;102(5):708-712.
- [3]. G B van der Voet, et al. Comparison of the antibacterial activity of azlocillin and ticarcillin in vitro and in irradiated neutropenic mice. *J Antimicrob Chemother*. 1985 Nov;16(5):605-13.

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

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