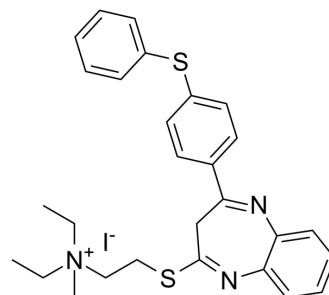


Tibezonium iodide

Cat. No.:	HY-131554
CAS No.:	54663-47-7
Molecular Formula:	C ₂₈ H ₃₂ IN ₃ S ₂
Molecular Weight:	601.61
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tibezonium iodide, an oropharyngeal disinfectant, has antibacterial activity for the prevention of mouth infections ^[1] .
In Vitro	<p>Tibezonium iodide (5-10 µg/mL; 15-30 min) displays good bacteriostatic and bactericidal activity against gram-positive strain, especially against <i>S. aureus</i> and <i>S. pyogens humanus</i> with the minimum inhibitory concentration (MIC) values ≤1 µg/mL^[3].</p> <p>Tibezonium iodide (0.25-5 µg/mL; 30 min) displays increasing bactericidal activity against <i>S. aureus</i> and <i>S. pyogens</i> 821 while pH value going up from 6.5-7.0 to 8.0-8.5^[3].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

- [1]. M Veronese, et al. Mutagenicity studies on tibezoneum, a new oropharyngeal disinfectant. *Arzneimittelforschung*. 1983;33(3):369-72.
- [2]. M Calzavara, et al. [Clinico-experimental study of a new antibacterial agent for local use in stomatology]. *Minerva Stomatol.* Apr-Jun 1976;25(2):55-66.
- [3]. Veronese M, et al. Antimicrobial activity of tibezoneum (TBZ). *Chemotherapy*. 1977. 23(2):90-7.

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

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