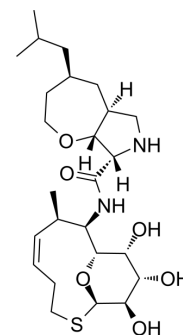


## Cresomycin

Cat. No.:	HY-163331
CAS No.:	2999743-51-8
Molecular Formula:	C <sub>25</sub> H <sub>42</sub> N <sub>2</sub> O <sub>6</sub> S
Molecular Weight:	498.68
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Cresomycin is a bridged macrobicyclic antibiotic that can bind to the bacterial ribosome. Cresomycin exhibits efficacy against both Gram-positive and Gram-negative bacteria, including multidrug-resistant strains of *Staphylococcus aureus*, *Escherichia coli*, and *Pseudomonas aeruginosa*<sup>[1]</sup>.

### REFERENCES

[1]. Kelvin J Y Wu, et al. An antibiotic preorganized for ribosomal binding overcomes antimicrobial resistance. *Science*. 2024 Feb 16;383(6684):721-726.

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

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