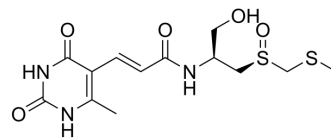


Sparsomycin

| | |
|--------------------|---|
| Cat. No.: | HY-137911 |
| CAS No.: | 1404-64-4 |
| Molecular Formula: | C ₁₃ H ₁₉ N ₃ O ₅ S ₂ |
| Molecular Weight: | 361.44 |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Sparsomycin is a metabolite of the bacterium *Streptomyces sparsogenes*. Sparsomycin inhibits protein synthesis in both eukaryotic cells and bacteria. Sparsomycin inhibits the translation extension of ribosome PTC^[1].

REFERENCES

- [1]. Codjo H, et, al. COVID-19: Mechanisms of the Antiviral Activities of Selective Antibiotics Targeting the Human 80S Ribosome. 2021;15:38-52.
- [2]. Lazaro E, et, al. Interaction of the antibiotic sparsomycin with the ribosome. *Antimicrob Agents Chemother.* 1991 Jan;35(1):10-3.

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

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