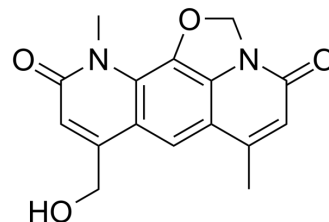


## Nybomycin

Cat. No.:	HY-123635
CAS No.:	30408-30-1
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	298.29
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Nybomycin, an antibiotic, exhibits antiphage and antibacterial properties. Nybomycin binds to DNA and induces a unique morphological change to mycobacterial bacilli leading the bacterial cell death<sup>[1][2]</sup>.

### REFERENCES

[1]. Strelitz F, et, al. NYBOMYCIN, A NEW ANTIBIOTIC WITH ANTIPHAGE AND ANTIBACTERIAL PROPERTIES. Proc Natl Acad Sci U S A. 1955 Sep 15;41(9):620-4.

[2]. Arai M, et, al. Anti-dormant mycobacterial activity and target analysis of nybomycin produced by a marine-derived Streptomyces sp. Bioorg Med Chem. 2015 Jul 1;23(13):3534-41.

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

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