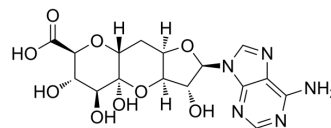


Aureonuclemycin

Cat. No.:	HY-N12498
CAS No.:	123970-01-4
Molecular Formula:	C ₁₆ H ₁₉ N ₅ O ₉
Molecular Weight:	425.35
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Aureonuclemycin can be isolated from *Staphylococcus aureus* to obtain its biosynthetic gene cluster. Aureonuclemycin exists in two forms: Type A and Type B. Aureonuclemycin A is a nucleoside antibiotic that is structurally similar to herbicides and contains adenine. Aureonuclemycin B contains 5'-deoxyadenosine and exhibits antibacterial activity. Aureonuclemycin can be used in the research of bacterial leaf blight in rice, citrus canker, and bacterial leaf spot in rice. [1][2].

REFERENCES

- [1]. Pan HX, et al. Elucidation of the Herbicidin Tailoring Pathway Offers Insights into Its Structural Diversity. *Org Lett.* 2019 Mar 1;21(5):1374-1378.
- [2]. Wang W, et al. Antibacterial Activity of Aureonuclemycin Produced by *Streptomyces aureus* Strain SPRI-371[J]. *Molecules*, 2022, 27(15): 5041.

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

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