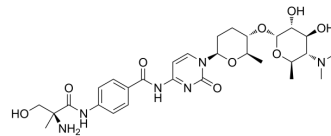


## Amicetin

Cat. No.:	HY-120383
CAS No.:	17650-86-1
Molecular Formula:	C <sub>29</sub> H <sub>42</sub> N <sub>6</sub> O <sub>9</sub>
Molecular Weight:	618.68
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Amicetin is a potent antibiotic. Amicetin shows antibiotic activities against gram-positive bacteria. Amicetin inhibits protein synthesis <sup>[1][2][3]</sup> .
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### REFERENCES

- [1]. HINUMA Y, et al. An amicetin (sacromycin) from *Streptomyces* sp. No. 5223. Studies on *Streptomyces* antibiotics. XXXVI. *J Antibiot (Tokyo)*. 1955 Nov;8(5):148-52.
- [2]. Fu, J., et al. Total Synthesis of Nucleoside Antibiotics Amicetin, Plicacetin, and Cytosaminomycin A—D. *Chinese Journal of Chemistry*, 2021, 39(10), 2679-2684.
- [3]. Ennis, H. L. et, al. Polysome Metabolism in *Escherichia coli*: Amicetin, an Antibiotic That Stabilizes Polysomes. *Antimicrobial Agents and Chemotherapy*, 1972, 1(3), 204-209. doi:10.1128/aac.1.3.204.

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

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