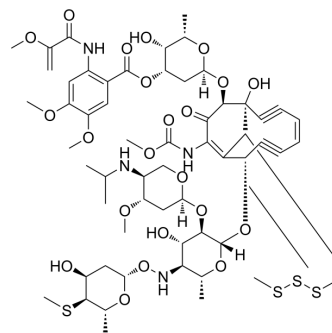


## Eesperamicin A1

Cat. No.:	HY-105237
CAS No.:	99674-26-7
Molecular Formula:	C <sub>59</sub> H <sub>80</sub> N <sub>4</sub> O <sub>22</sub> S <sub>4</sub>
Molecular Weight:	1325.54
Target:	Antibiotic; DNA/RNA Synthesis
Pathway:	Anti-infection; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Eesperamicin A1, as an extremely potent antitumor antibiotic, is isolated from cultures of *Actinomadura verrucosospora*. Eesperamicin A1 can be used for the research of antitumor<sup>[1]</sup>. Eesperamicin A1 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.

### REFERENCES

[1]. Lam, K. S., et al. Biosynthesis of esperamicin A1, an enediyne antitumor antibiotic. *Journal of the American Chemical Society*, 115(26), 12340–12345.

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

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