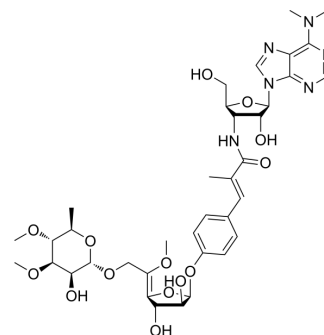


## A201A

Cat. No.:	HY-125496
CAS No.:	37305-78-5
Molecular Formula:	C <sub>37</sub> H <sub>50</sub> N <sub>6</sub> O <sub>14</sub>
Molecular Weight:	802.82
Target:	Antibiotic; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

A201A is a aminoacylnucleoside antibiotic with antibacterial activities. A201A is highly effective against Gram-positive and most Gram-negative anaerobic bacteria. A201A inhibits tRNA accommodation during translation<sup>[1][2]</sup>.

### REFERENCES

[1]. Nie S, et al. Total synthesis of nucleoside antibiotic A201A. *J Am Chem Soc.* 2014 Mar 19;136(11):4157-60.

[2]. Wang J, et al. Bioinspired Total Synthesis of Complex Nucleoside Antibiotics A201A, A201D and A201E. *Angew Chem Int Ed Engl.* 2023 Jan 16;62(3):e202213810.

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

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