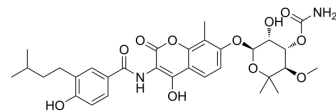


Dihydronovobiocin

Cat. No.:	HY-141442
CAS No.:	29826-16-2
Molecular Formula:	C ₃₁ H ₃₈ N ₂ O ₁₁
Molecular Weight:	614.64
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Dihydronovobiocin is a bacterial inhibitor and ATPase inhibitor that can bind to GyrB. Dihydronovobiocin can be used to study the interaction between coumarin antibiotics (such as Novobiocin, Chlorobiocin, and Coumermycin) and DNA gyrase. Dihydronovobiocin also has the potential to study bacterial infections^{[1][2]}.

REFERENCES

- [1]. Gormley NA, et al. The interaction of coumarin antibiotics with fragments of DNA gyrase B protein. *Biochemistry*. 1996 Apr 16;35(15):5083-92.
- [2]. Oram M, et al. Mode of action of GR122222X, a novel inhibitor of bacterial DNA gyrase. *Antimicrob Agents Chemother*. 1996 Feb;40(2):473-6.

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

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