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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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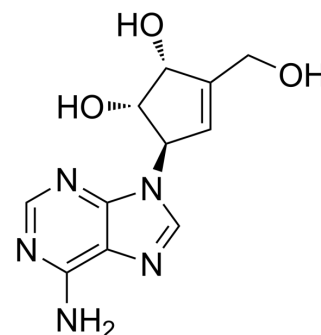
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Neplanocin A

Cat. No.:	HY-130430
CAS No.:	72877-50-0
Molecular Formula:	C ₁₁ H ₁₃ N ₅ O ₃
Molecular Weight:	263.25
Target:	Antibiotic; Orthopoxvirus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Neplanocin A ((-)-Neplanocin A) is an antitumor antibiotic with significant antitumor activity against murine L1210 leukemia. Neplanocin A is also an irreversible inhibitor of AdoHcy hydrolase (K _i =8.39 nM). Neplanocin A also has antiviral activity and is effective against vaccinia virus. Neplanocin A is obtained from <i>Ampulariella regularis</i> ^[1] .								
IC₅₀ & Target	AdoHcy hydrolase; vaccinia ^[1] .								
In Vitro	<p>Neplanocin A (1 μM; 0-70 h) inhibits the growth of L929 mouse cells^[1].</p> <p>Neplanocin A (1 μM; 72 h) inhibits vaccinia virus plaque formation in monolayer cultures of mouse L-cells^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>L929 mouse cells</td> </tr> <tr> <td>Concentration:</td> <td>1 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>0-70 h</td> </tr> <tr> <td>Result:</td> <td>Slowed the rate of increase in cell number.</td> </tr> </table>	Cell Line:	L929 mouse cells	Concentration:	1 μM	Incubation Time:	0-70 h	Result:	Slowed the rate of increase in cell number.
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REFERENCES

[1]. Borchardt RT, Keller BT, Patel-Thombre U. Neplanocin A. A potent inhibitor of S-adenosylhomocysteine hydrolase and of vaccinia virus multiplication in mouse L929 cells. *J Biol Chem.* 1984 Apr 10;259(7):4353-8.

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

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