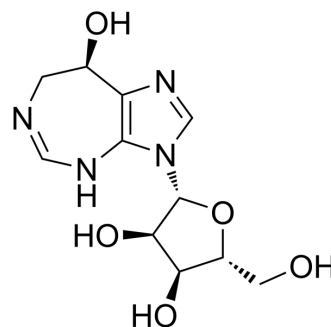


Coformycin

Cat. No.:	HY-117260
CAS No.:	11033-22-0
Molecular Formula:	C ₁₁ H ₁₆ N ₄ O ₅
Molecular Weight:	284.27
Target:	Adenosine Deaminase; Bacterial; Antibiotic
Pathway:	Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Coformycin, a nucleoside antibiotic, is a potent inhibitor of adenosine deaminase (ADA) from <i>Streptomyces</i> species. Coformycin possesses anti-tumor and anti-bacterial activity ^{[1][2]} .								
In Vivo	<p>Coformycin (0.2 mg/kg, ip daily) inhibits adenosine deaminase activity for various tissues, including brain, heart, kidney, liver, etc^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Swiss-Webster mice^[2].</td> </tr> <tr> <td>Dosage:</td> <td>0.2 mg/kg.</td> </tr> <tr> <td>Administration:</td> <td>IP daily.</td> </tr> <tr> <td>Result:</td> <td>Inhibited adenosine deaminase activity for various tissues.</td> </tr> </table>	Animal Model:	Swiss-Webster mice ^[2] .	Dosage:	0.2 mg/kg.	Administration:	IP daily.	Result:	Inhibited adenosine deaminase activity for various tissues.
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Dosage:	0.2 mg/kg.								
Administration:	IP daily.								
Result:	Inhibited adenosine deaminase activity for various tissues.								

REFERENCES

[1]. Coformycin.

[2]. Lukey T, et al. S-adenosylhomocysteine hydrolase activity, deoxyadenosine triphosphate accumulation, and competence of thymocyte and spleen leucocyte response to mitogens in coformycin-treated mice. *Biochem Pharmacol.* 1983 Apr 15;32(8):1399-406.

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

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