



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



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Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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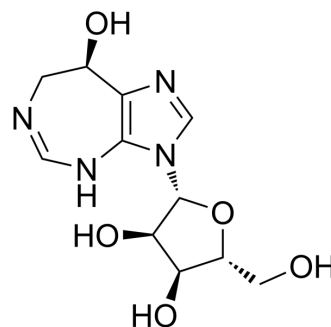
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## Coformycin

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



### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <sup>[1][2]</sup> .								
<b>In Vivo</b>	<p>Coformycin (0.2 mg/kg, ip daily) inhibits adenosine deaminase activity for various tissues, including brain, heart, kidney, liver, etc<sup>[2]</sup>.</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<sup>[2]</sup>.</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 <sup>[2]</sup> .	Dosage:	0.2 mg/kg.	Administration:	IP daily.	Result:	Inhibited adenosine deaminase activity for various tissues.
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### 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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