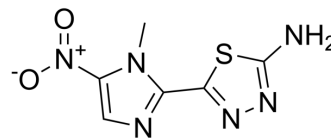


Megazol

| | |
|--------------------|---|
| Cat. No.: | HY-119480 |
| CAS No.: | 19622-55-0 |
| Molecular Formula: | C ₆ H ₆ N ₆ O ₂ S |
| Molecular Weight: | 226.22 |
| Target: | Bacterial |
| Pathway: | Anti-infection |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | | | | | | | | |
|-------------------------------------|--|---------------|---------------------------|---------|--------------|-----------------|------------|---------|--|
| Description | Megazol is an orally active antibacterial agent. Megazol has effective inhibitory against <i>T. b. brucei</i> with an EC ₅₀ of 0.01 μg/mL. Megazol can be used for the research of protozoan infections ^[1] . | | | | | | | | |
| IC₅₀ & Target | EC ₅₀ : 0.01 μg/mL (<i>T. b. brucei</i>) ^[1] | | | | | | | | |
| In Vitro | Megazol has effective inhibitory against <i>T. b. brucei</i> AnTat 1-9 with an EC ₅₀ of 0.01 μg/mL ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. | | | | | | | | |
| In Vivo | Megazol (i.p. or p.o.; 20, 80 mg/kg) shows cure the acute disease in <i>T. b. brucei</i> infected Swiss mice ^[1] . Megazol alone not causes cure of mice carrying a subacute infection with involvement of the central nervous system (CNS) ^[1] . Megazol have remission effect combined suramin, without further relapse from the CNS ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. | | | | | | | | |
| | <table border="1"> <tr> <td>Animal Model:</td> <td>Swiss mice^[1]</td> </tr> <tr> <td>Dosage:</td> <td>20, 80 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p., p.o.</td> </tr> <tr> <td>Result:</td> <td>Cured infection at 20 mg/kg (i.p) and at 80 mg/kg (p.o).</td> </tr> </table> | Animal Model: | Swiss mice ^[1] | Dosage: | 20, 80 mg/kg | Administration: | i.p., p.o. | Result: | Cured infection at 20 mg/kg (i.p) and at 80 mg/kg (p.o). |
| Animal Model: | Swiss mice ^[1] | | | | | | | | |
| Dosage: | 20, 80 mg/kg | | | | | | | | |
| Administration: | i.p., p.o. | | | | | | | | |
| Result: | Cured infection at 20 mg/kg (i.p) and at 80 mg/kg (p.o). | | | | | | | | |

REFERENCES

[1]. B Bouteille, et al. Effect of megazol on *Trypanosoma brucei brucei* acute and subacute infections in Swiss mice. *Acta Trop.* 1995 Oct;60(2):73-80.

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

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