Megazol

Cat. No.:	HY-119480		
CAS No.:	19622-55-0		
Molecular Formula:	$C_6H_6N_6O_2S$		
Molecular Weight:	226.22		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

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SOLVENT & SOLUBILITY

Preparing Stock Solutions Please refer to the so	Solvent Mass Concentration	1 mg	5 mg	10 mg	
	Preparing Stock Solutions	1 mM	4.4205 mL	22.1024 mL	44.2048 mL
		5 mM	0.8841 mL	4.4205 mL	8.8410 mL
		10 mM	0.4420 mL	2.2102 mL	4.4205 mL
	Please refer to the solubility information to select the appropriate solvent.				

DIOLOGICALACITY				
Description	Megazol is an orally active antibacterial agent. Megazol has effective inhibitory against T. b. brueei with an EC ₅₀ of 0.01 μ g/mL. Megazol can be used for the research of protozoan infections ^[1] .			
IC ₅₀ & Target	EC50: 0.01 μg/mL (T. b. brueei) ^[1]			
In Vitro	Megazol has effective inhibitory against T. b. brueei 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 T. b. brueei 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] .			

Product Data Sheet

-0⁻N⁺ N

NH₂

۱۱ N

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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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