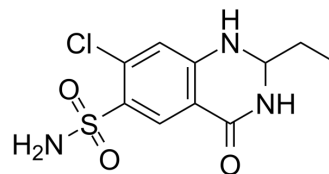


Quinethazone

Cat. No.:	HY-B1364
CAS No.:	73-49-4
Molecular Formula:	C ₁₀ H ₁₂ ClN ₃ O ₃ S
Molecular Weight:	289.74
Target:	Carbonic Anhydrase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Quinethazone is an orally active diuretic agent and is also a weak inhibitor of carbonic anhydrase. Quinethazone can be used for hypertension research ^{[1][2]} .								
In Vivo	<p>Quinethazone (50 mg/kg; p.o.; daily for 2 weeks) lowers blood pressure of renal hypertensive rats in association with a decrease in potassium but no change in water or sodium contents of aorta wall^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">Animal Model:</td> <td>Five- to 6-week-old Long Evans male rats, hypertension model^[1]</td> </tr> <tr> <td>Dosage:</td> <td>50 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Oral, daily for 2 weeks</td> </tr> <tr> <td>Result:</td> <td>Had no significant effect on sodium or water distribution in arterial tissue of hypertensive rats, but decreased approximate 20% intra-cellular content of potassium</td> </tr> </table>	Animal Model:	Five- to 6-week-old Long Evans male rats, hypertension model ^[1]	Dosage:	50 mg/kg	Administration:	Oral, daily for 2 weeks	Result:	Had no significant effect on sodium or water distribution in arterial tissue of hypertensive rats, but decreased approximate 20% intra-cellular content of potassium
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REFERENCES

- [1]. FREED SC. MECHANISM OF ANTI-HYPERTENSIVE ACTION OF QUINETHAZONE. Proc Soc Exp Biol Med. 1963 Nov;114:421-2.
- [2]. Angelopoulos B, et al. Experimental investigation and observations on the diuretic action of quinethazone. Med Pharmacol Exp Int J Exp Med. 1966;14(6):528-36.

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

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