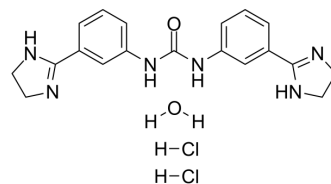


Imidocarb dihydrochloride monohydrate

Cat. No.:	HY-135611A
Molecular Formula:	C ₁₉ H ₂₄ Cl ₂ N ₆ O ₂
Molecular Weight:	439.34
Target:	Parasite; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Imidocarb dihydrochloride monohydrate is a potent antiprotozoal agent. Imidocarb dihydrochloride monohydrate is active against the parasite <i>B. bovis</i> with an IC ₅₀ of 87 µg/mL ^[1] .
In Vivo	Imidocarb dihydrochloride monohydrate is used in sheep (1.2 mg/kg bw) for the babesiosis and anaplasmosis. The acute oral LD50 value of Imidocarb dihydrochloride monohydrate is in the range of 646 to 723 mg/kg bw in mice. The acute oral LD50 value of Imidocarb dihydrochloride monohydrate is in the range of 454 to 1251 mg/kg bw in rats. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rodriguez RI, et al. In vitro responsiveness of *Babesia bovis* to Imidocarb dipropionate and the selection of a drug-adapted line. *Vet Parasitol.* 1996 Mar;62(1-2):35-41.

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

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