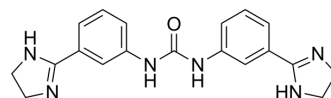


## Imidocarb

Cat. No.:	HY-135611
CAS No.:	27885-92-3
Molecular Formula:	C <sub>19</sub> H <sub>20</sub> N <sub>6</sub> O
Molecular Weight:	348.4
Target:	Parasite; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Imidocarb is a potent antiprotozoal agent. Imidocarb is active against the parasite <i>B. bovis</i> with an IC <sub>50</sub> of 87 µg/mL <sup>[1]</sup> .
In Vivo	Imidocarb dipropionate is administered by subcutaneous or intramuscular injection to horses (3.4 mg/kg bw) and cattle (2.1 mg/kg bw). In horses, up to 4 doses may be given at 72-hour intervals. A second dose may be given 2 weeks after the first. Imidocarb dipropionate is also used in sheep (1. 2mg/kg bw) for the treatment of babesiosis and anaplasmosis. The acute oral LD50 value of Imidocarb dipropionate is in the range of 646 to 723 mg/kg bw in mice. The acute oral LD50 value of Imidocarb 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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