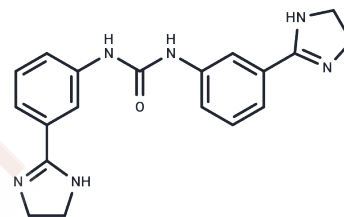


Imidocarb

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 27885-92-3 |
| Formula: | C ₁₉ H ₂₀ N ₆ O |
| Molecular Weight: | 348.40 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | Imidocarb, a potent antiprotozoal agent, exhibits activity against the parasite <i>B. bovis</i> with an IC ₅₀ of 87 µg/mL [1]. |
| Targets(IC50) | Antibiotic,Parasite |
| In vivo | Imidocarb dipropionate is administered to horses (3.4 mg/kg bw) and cattle (2.1 mg/kg bw) via subcutaneous or intramuscular injection. Horses may receive up to four doses at 72-hour intervals, with a second dose possible two weeks after the first. In sheep (1.2 mg/kg bw), it is used to treat babesiosis and anaplasmosis. The acute oral LD50 values of Imidocarb dipropionate are 646-723 mg/kg bw in mice and 454-1251 mg/kg bw in rats. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8703 mL | 14.3513 mL | 28.7026 mL |
| 5 mM | 0.5741 mL | 2.8703 mL | 5.7405 mL |
| 10 mM | 0.287 mL | 1.4351 mL | 2.8703 mL |
| 50 mM | 0.0574 mL | 0.287 mL | 0.5741 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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