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**Product Data Sheet**

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Product Name: Melarsomine dihydrochloride

Cat. No.: GC66018

**Chemical Properties**

Cas. No. 89141-50-4

Formula  $C_{13}H_{23}AsCl_2N_8S_2$ 

M.Wt

501.33

Solubility

Storage

Store at -20°C

General tips

For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Melarsomine dihydrochloride is a trivalent arsenical compound used as an adulticide. Melarsomine dihydrochloride can be used for the reserach of canine heartworm disease and other helminth infections<sup>[1][2]</sup>.

Melarsomine (2.5 mg/kg; deep i.m. injection) combined with Doramectin managed to clear the *D. repens* infection in dogs<sup>[1]</sup>.

Melarsomine (0.25 mg/kg; deep i.m. injection) can cure *T. evansi* infection in camels<sup>[2]</sup>.

Melarsomine (0.5 mg/kg; deep i.m. injection) can cure *T. evansi* infection in dairy cattle in Thailand<sup>[2]</sup>.

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

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