

Product Data Sheet

Product Name: Dimidium (bromide)

Cat. No.: GC52082

Chemical Properties

Cas. No. 518-67-2

SMILES NC1=CC2=C(C3=C([N+](C)=C2C4=CC=CC=C4)C=C(N)C=C3)C=C1.[Br-]

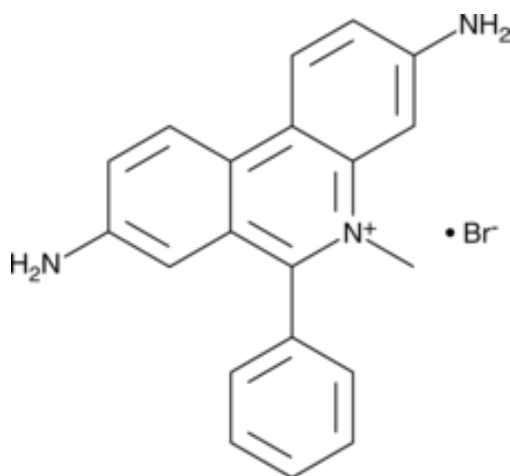
Formula C₂₀H₁₈N₃ • Br M.Wt 380.3

Solubility DMF: 2 mg/ml, DMSO: 3 mg/ml, Ethanol: insol, PBS (pH 7.2): insol
Storage -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

Dimidium is a trypanocide.^{1,2} *In vivo*, dimidium (0.25-0.7 mg/kg) reduces parasite burden in *T.*

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

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congolense-infected mice.¹ It also completely clears trypanosomes from the peripheral blood in zebu oxen naturally infected with *T. congolense* when administered intramuscularly at a dose of 0.75 mg/kg.² Formulations containing dimidium have previously been used in the treatment of trypanosomiasis in cattle.

1. Woolfe, G. The trypanocidal action of phenanthridine compounds Ann. Trop. Med. Parasitol. 46(4)285-288(1952) 2. Wilde, J.K.H. Experimental use of dimidium bromide (1553) in the treatment of *T. congolense* infection in the zebu cattle J. Comp. Pathol. Ther. 59(1)48-53(1949)

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