

Product Data Sheet

Product Name: Diloxanide

Cat. No.: GC60778

Chemical Properties

Cas. No. 579-38-4

SMILES O=C(C(Cl)Cl)N(C)C1=CC=C(C=C1)O

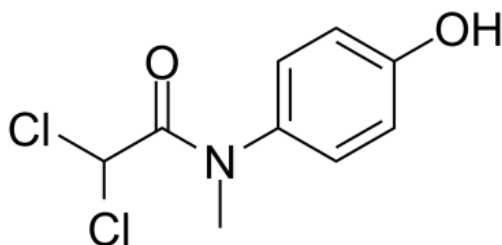
Formula C9H9Cl2NO2 M.Wt 234.08

Solubility DMSO : 33.33 mg/mL (142.39 mM; Need ultrasonic) 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

Diloxanide is an anti-protozoal agent and can be used for the research of asymptomatic-intestinal amebiasis caused by *Entamoeba histolytica* or some other protozoal infections. Diloxanide is an active luminal amebicide and hydrolyzed in the gastrointestinal tract from its prodrug Diloxanide furoate[1].

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

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furoate (oral administration; 75-200 mg/kg; 3 days; once daily) is effective at different dose of day in weanling rats. At 200 mg/kg, 100% of the treated rats are cured and no amoebic lesions are observed in the caecum. Besides, 85%, 77%, and 44.4% of the treated rats are cured at the dose 150 mg/kg, 100 mg/kg, and 75 mg/kg, respectively. The ED50 value is 77.9 mg/kg for this agent in rats[2].

[1]. DB08792 [2]. D K Chatterjee, et al. Antiamoebic activity of chonemorphine, a steroidal alkaloid, in experimental models. Parasitol Res. 1987;74(1):30-3.

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