
Product Data Sheet

Product Name: Chlorobutanol hemihydrate

Cat. No.: GC62358

Chemical Properties

Cas. No. 6001-64-5

Formula $C_4H_7Cl_3O \cdot 1/2H_2O$

M.Wt 186.46

Solubility DMSO : 100 mg/mL (536.31 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

Chlorobutanol hemihydrate is a pharmaceutical preservative with sedative-hypnotic actions. Chlorobutanol hemihydrate is active against a wide variety of Gram-positive and Gram-negative bacteria, and several mold spores and fungi. Chlorobutanol hemihydrate is widely used in food and cosmetic industry[1][2].

[1]. Smoak IW, et al. Chlorobutanol: maternal serum levels and placental transfer in the mouse. *Vet Hum Toxicol.* 1997 Oct;39(5):287-90.

[2]. Friesen WT, et al. The antibacterial stability of chlorobutanol stored in polyethylene bottles. *Am J Hosp Pharm.* 1971 Jul;28(7):507-12.

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

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