

Product Data Sheet

Product Name: Chlorobutanol

Cat. No.: GC39358

Chemical Properties

Cas. No. 57-15-8

SMILES CC(O)(C)C(Cl)(Cl)Cl

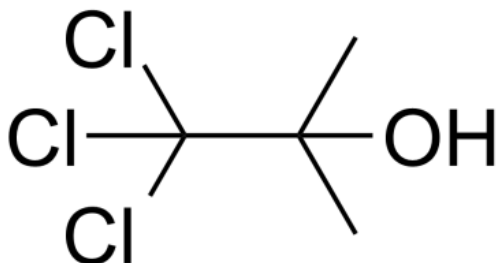
Formula C4H7Cl3O M.Wt 177.46

Solubility DMSO: ≥ 100 mg/mL (563.51 mM) 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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Chlorobutanol is a pharmaceutical preservative and the active ingredient in certain sedatives and anesthetics. Chlorobutanol has sedative-hypnotic and weak local anesthetic actions. Chlorobutanol is active against a wide variety of Gram-positive and Gram-negative bacteria, and several mold spores and fungi[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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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stored in polyethylene bottles. Am J Hosp Pharm. 1971 Jul;28(7):507-12.

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