
Product Data Sheet

Product Name: 2-Phenylethanol (Phenethyl alcohol)

Cat. No.: GC32201

Chemical Properties

Cas. No. 60-12-8

SMILES OCCC1=CC=CC=C1

Formula $C_8H_{10}O$

M.Wt 122.16

Solubility Water : 20 mg/mL (163.72 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 size: ship with RT , or blue ice upon request.

Structure

Background

Phenethyl alcohol (2-phenylethanol, 2-Phenylethyl alcohol, Benzeneethanol, Phenylethanol) is an antimicrobial, antiseptic, and disinfectant that is used also as an aromatic essence and preservative in pharmaceuticals and perfumery.

Phenethyl alcohol has been shown to interact with the cytoplasmic membrane of other microorganisms in various ways. Escherichia coli phenethyl alcohol, at a concentration higher than that used to induce myxospore formation, inhibits growth by causing a breakdown in the cellular permeability barrier. At lower concentrations, phospholipid synthesis, uptake of gentian violet in E. coli and the uptake of several amino acids by Neurospora crassa were all inhibited by phenethyl alcohol[1].

[1] M.V. JONES, et al. FEMS Microbiology Letters. 1979, 6:293-296.

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