

Product Data Sheet

Product Name: Chlorphenesin

Cat. No.: GC60701

Chemical Properties

Cas. No. 104-29-0

SMILES OCC(O)COC1=CC=C(Cl)C=C1

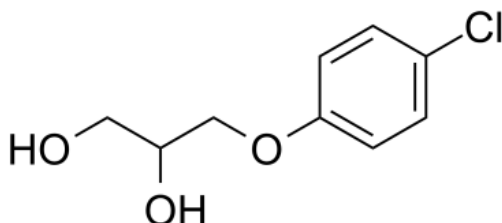
Formula $C_9H_{11}ClO_3$ M.Wt 202.63

Solubility DMSO: 100 mg/mL (493.51 mM) Storage 4°C, protect from light

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

Chlorphenesin is a reversible antigen-associated immunosuppressant. Chlorphenesin is an antibacterial and antifungal agent used in numerous eye care cosmetics[1].

Chlorphenesin (0.01, 0.1, 0.3%; 30-min exposure) significantly reduces the activity of the Akt

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

Product Data Sheet

pathway in a dose-dependent manner in human meibomian gland epithelial cells (HMGEs)[2]. Chlorphenesin (0.1, 0.3%; 24 hours) induces immortalized HMGEs (IHMGEs) rounding, atrophy, poor adherence, detachme and significantly reduces the number of IHMGEs[2].

[1]. H Y Whang, et al. Chlorphenesin: an antigen-associated immunosuppressant. Infect Immun. 1970 Jul;2(1):60-4. [2]. Jingyi Wang, et al. Toxicity of the cosmetic preservatives parabens, phenoxyethanol and chlorphenesin on human meibomian gland epithelial cells. Exp Eye Res. 2020 Jul;196:108057.

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