

Product Data Sheet

Product Name: Dihydroresveratrol

Cat. No.: GC38098

Chemical Properties

Cas. No. 58436-28-5

SMILES OC1=CC(CCC2=CC=C(O)C=C2)=CC(O)=C1

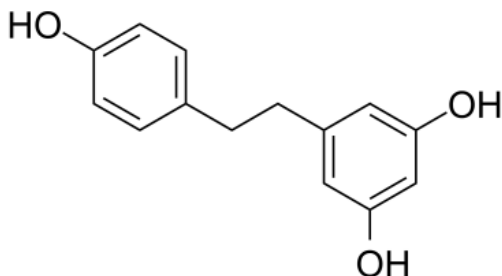
Formula $C_{14}H_{14}O_3$ M.Wt 230.26

Solubility DMF: >100 mg/ml, DMSO: >50 mg/ml, Ethanol: >50 mg/ml, PBS (pH 7.2): <100 μ g/ml
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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Dihydroresveratrol, a potent phytoestrogen, is a hormone receptor modulator. Dihydroresveratrol exhibits proliferative effects in androgen-independent prostate and breast cancer cells at picomolar and nanomolar concentrations[1].

Treatment with 0.1 nM-0.1 μ M of Dihydroresveratrol significantly increases the growth of PC-3

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

prostate cancer cells[1].

[1]. Anisimova NY, et al. Trans-, cis-, and dihydro-resveratrol: a comparative study. Chem Cent J. 2011 Dec 20;5:88.

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