

Product Data Sheet

Product Name: 2,2,5,7,8-Pentamethyl-6-Chromanol

Cat. No.: GC35069

Chemical Properties

Cas. No. 950-99-2

SMILES OC1=C(C)C(C)=C2C(CCC(C)(C)O2)=C1C

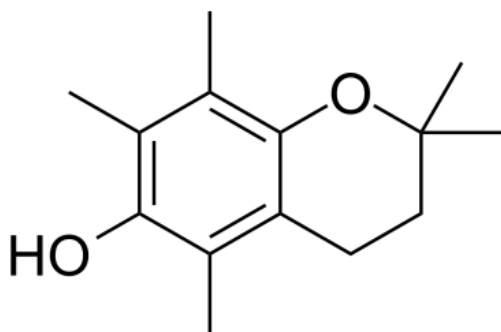
Formula $C_{14}H_{20}O_2$ M.Wt 220.31

Solubility DMSO: 250 mg/mL (1134.76 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

2,2,5,7,8-Pentamethyl-6-Chromanol (PMC) is the anti-oxidant moiety of vitamin E (α -tocopherol). 2,2,5,7,8-Pentamethyl-6-Chromanol has potent androgen receptor (AR) signaling modulation and anti-cancer activity against prostate cancer cell lines[1].

[1]. Kyriakopoulos CE, et al. A multicenter phase 1/2a dose-escalation study of the antioxidant moiety of vitamin E 2,2,5,7,8-pentamethyl-6-chromanol (APC-100) in men with advanced prostate cancer. Invest New Drugs. 2016 Apr;34(2):225-30.

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

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