

Product Data Sheet

Product Name: Campestanol

Cat. No.: GC43136

Chemical Properties

Cas. No. 474-60-2

SMILES C[C@H](CC[C@@H](C)C(C)C)[C@@]1([H])CC[C@@]2([H])[C@]3([H])CC[C@@]4([H])C[C@@H](O)CC[C@]4(C)[C@@]3([H])CC[C@@]21C

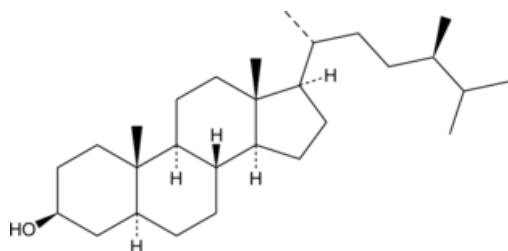
Formula C₂₈H₅₀O M.Wt 402.7

Solubility Chloroform: slightly soluble Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Campestanol is a phytosterol found in vegetables, fruits, nuts, and seeds. Dietary administration of vegetable stanol esters (1% w/w) containing campestanol (30.1%) and sitostanol lower serum cholesterol, LDL, VLDL, and intermediate-density lipoprotein (IDL) cholesterol levels in an APOE*3-Leiden transgenic mouse model of atherosclerosis. This combination of campestanol with sitostanol also reduces atherosclerotic lesion area by 91% and the proportion of lesions with extensive macrophage infiltration.

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

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