

Product Data Sheet

Product Name: FF-MAS
Cat. No.: GC18815

Chemical Properties

Cas. No. 64284-64-6

Chemical Name (3 β ,5 α)-4,4-dimethyl-cholesta-8,14,24-trien-3-ol

SMILES CC1(C)[C@@H](O)CC[C@@]2(C)[C@@]1([H])CCC3=C2CC[C@@]4(C)C3=CC[C@]4([H])[C@@H](CC/C=C(C)/C)C

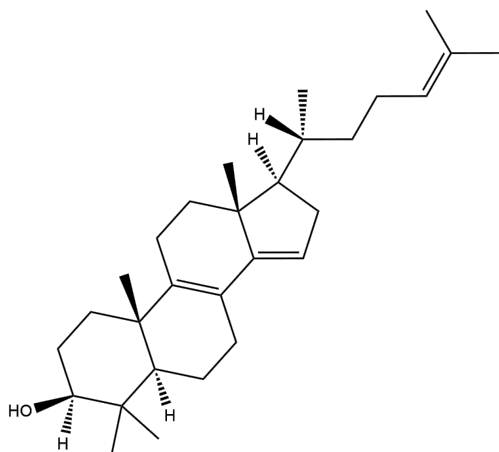
Formula C₂₉H₄₆O M.Wt 410.7

Solubility Chloroform: Slightly Soluble 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

Follicular fluid meiosis-activating sterol (FF-MAS) is an intermediate in cholesterol biosynthesis from lanosterol that is found at high concentrations in mammalian ovarian follicular fluid. It increases survival of human oocytes isolated from patients with polycystic ovarian syndrome (PCOS) and improves cytoplasmic maturation of immature rodent and porcine oocytes in vitro. FF-MAS promotes

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

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completion of meiotic maturation to metaphase II and increases the rate of successful in vitro fertilization (IVF) in isolated mouse oocytes. Formulations containing FF-MAS have been used to improve embryo quality and implantation rate during IVF.

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