

Product Data Sheet

Product Name: Hecogenin Acetate

Cat. No.: GC43808

Chemical Properties

Cas. No. 915-35-5

SMILES O=C1[C@@]2(C)[C@](C[C@@]3([H])[C@]2([H])[C@H](C)[C@]4(OC[C@H](C)CC4)O3)([H])[C@]5([H])CC[C@@]6([H])C[C@@H](OC(C)=O)CC[C@]6(C)[C@@]5([H])C1

Formula C₂₉H₄₄O₅

M.Wt 472.7

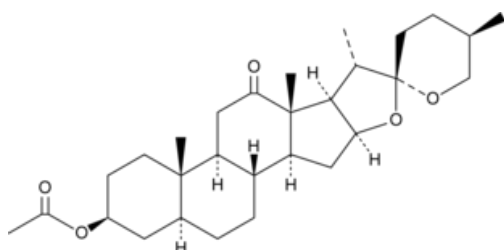
Solubility DMF: 30 mg/mL, DMSO: 30 mg/mL, Ethanol: 30 mg/mL, Ethanol: PBS (pH 7.2) (1:2): 0.3 mg/mL

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

Hecogenin acetate is a steroid sapogenin and an acetylated form of hecogenin that has anthelmintic and antinociceptive properties. It reduces the percentage of mobile larvae in goat fecal cultures containing *Haemonchus*, *Oesophagostomum*, and *Trichostrongylus* nematodes (EC₅₀ = 0.49 mg/ml). Hecogenin acetate (5, 10, or 20 mg/kg, i.p.) inhibits development of mechanical hyperalgesia induced by carrageenan, TNF- α , dopamine, and prostaglandin E₂ in mice. It also increases latency to tail withdrawal in the tail flick test and has no effect on motor performance in the rotarod test in mice when administered at a dose of 40 mg/kg.

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

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