
Product Data Sheet

Product Name: Smilagenin acetate

Cat. No.: GC61282

Chemical Properties

Cas. No. 4947-75-5

SMILES C[C@@]12[C@]3([H])[C@@](C[C@@]1([H])[C@@]4([H])[C@]([C@@]5([C@](C[C@H](CC5)OC(C)=O)([H])CC4)C)([H])CC2)([H])O[C@]6(CC[C@H](CO6)C)[C@H]3C

Formula C₂₉H₄₆O₄

M.Wt 458.67

Solubility Ethanol : 10 mg/mL (21.80 mM; ultrasonic and warming and heat to 60°C)

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**

Smilagenin acetate is a Sapogenin derivative extracted from patent US20030004147A1. Smilagenin acetate increases the expression of acetylcholine m2 receptors and can be used for the research of dementia[1].

Smilagenin acetate increases the expression of m2 receptors on CHO cells transfected with DNA for the m2 receptor[1].

[1]. Paul Barraclough, et al. 5-beta-sapogenin and pseudosapogenin derivatives and their use in the treatment of dementia. US20030004147A1.

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

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