
Product Data Sheet

Product Name: Esterified Steryl Glucosides

Cat. No.: GC43628

Chemical Properties

Cas. No.

SMILES C[C@]12C(C[C@@H](O[C@]3([H])O[C@H](COC([R])=O)[C@@H](O)[C@H](O)[C@H]3O)CC2)=CC[C@]4([H])[C@]1([H])CC[C@@]5(C)[C@@]4([H])CC[C@@]5([C@@H](CC[C@@H](CC)C(C)C)C)[H]

Formula C₅₁H₉₀O₇ (for β-sitosteryl glucoside palmitate) M.Wt 815.3

Solubility Chloroform: soluble, Ether: 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

Esterified steryl glucosides are sterol derivatives that have been found in vegetables, vegetable oils, fruits, cereals, legumes, fungi, and algae. They have also been found as bioactive lipids in pre-germinated brown rice. The level of esterified steryl glucosides decreases in microsomal membranes from the pericarp of tomatoes stored at a low temperature (2°C) and increases in mature-green tomatoes when stored at 38°C. Esterified Steryl Glucosides is a mixture of β-sitosteryl glucoside, β-campesteryl glucoside, and β-stigmasteryl glucoside.

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

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