Diosgenin
Item No. 19847

CAS Registry No.: 512-04-9
Formal Name: (3β,25R)-spirost-5-en-3-ol
Synonyms: Nitogenin, NSC 33396, 3β-hydroxy-5-Spirostene
MF: C_{27}H_{42}O_{3}
FW: 414.6
Purity: ≥98%
Supplied as: A crystalline solid
Storage: Room temperature
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Labatory Procedures

Diosgenin is supplied as a crystalline solid. A stock solution may be made by dissolving the diosgenin in the solvent of choice. Diosgenin is soluble in organic solvents such as chloroform and dimethyl formamide, which should be purged with an inert gas. The solubility of diosgenin in these solvents is approximately 30 and 1 mg/ml, respectively.

Description

Diosgenin is a natural steroid sapogenin that has diverse biochemical and physiological actions. It has antioxidant and anti-inflammatory activities, is protective against metabolic and cardiovascular diseases, and can have immunomodulatory and estrogenic effects.1-4

References