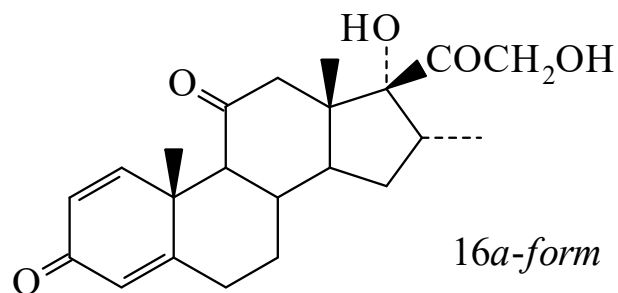




>>Entry Name: 17,21-Dihydroxy-16-methylpregna-1,4-diene-3,11,20-trione, 9Cl, 8Cl



CAS Registry Number: 1247-42-3

Molecular Formula: C₂₂H₂₈O₅

Molecular Weight: 372.46

Accurate Mass: 372.193675

Percentage Composition: C 70.95%; H 7.58%; O 21.48%

>>Variant: 16 α -form

Molecular Formula: C₂₂H₂₈O₅

Molecular Weight: 372.46

Accurate Mass: 372.193675

Percentage Composition: C 70.95%; H 7.58%; O 21.48%

Source/Synthesis: Semisynth. steroid obt. by hydroxylation with *Bacillus lentus*

Use/Importance: Antiinflammatory agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 199-200°

>>Derivative: 21-Ac

Molecular Formula: C₂₄H₃₀O₆

Molecular Weight: 414.497

Accurate Mass: 414.20424

Percentage Composition: C 69.55%; H 7.29%; O 23.16%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 212-214°

Optical Rotation: [α]_D +157.9 (c, 1 in dioxan)

>>Variant: 16 β -form

Synonym(s): Meprednisone, INN, USAN. Methylprednisone. Betapred. Betapar. NSC 527579. Sch 4358

Molecular Formula: C₂₂H₂₈O₅

Molecular Weight: 372.46

Accurate Mass: 372.193675

Percentage Composition: C 70.95%; H 7.58%; O 21.48%

Biological Source: Prod. semisynth. from various substrates by *Corynebacterium simplex* hydroxylation

Use/Importance: Glucocorticoid. Antiinflammatory agent

Physical Description: Cryst.

Melting Point: Mp 200-205°

Optical Rotation: [α]_D +200 (dioxan)

>>Derivative: 21-Ac

Melting Point: Mp 232-235°

Optical Rotation: [α]_D +210 (c, 1 in dioxan)