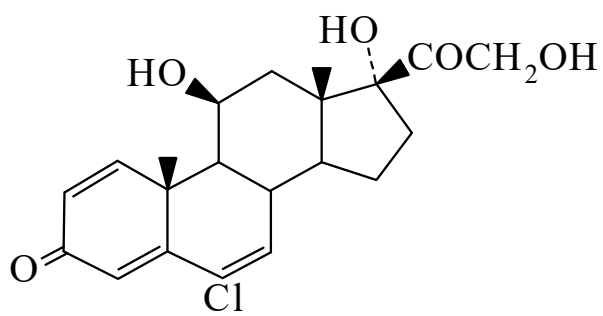




>>Entry Name: Cloprednol, BAN, INN, USAN

Synonym(s): 6-Chloro-11,17,21-trihydroxypregna-1,4,6-triene-3,20-dione, 9Cl, 8Cl. Novacort. Synclopred. Syntestan. RS 4691



CAS Registry Number: 5251-34-3

Molecular Formula: C₂₁H₂₅ClO₅

Molecular Weight: 392.878

Accurate Mass: 392.139052

Percentage Composition: C 64.20%; H 6.41%; Cl 9.02%; O 20.36%

Use/Importance: Glucocorticoid. Antiinflammatory and antiallergic agent

Physical Description: Cryst. (Me₂CO/hexane)

Calculated Log P Data: Log P 1.07 (uncertain value) (calc)

Other Data: Stereochem is (11β,17αOH)

>>Derivative: 21-Ac

Molecular Formula: C₂₃H₂₇ClO₆

Molecular Weight: 434.915

Accurate Mass: 434.149617

Percentage Composition: C 63.52%; H 6.26%; Cl 8.15%; O 22.07%

Use/Importance: Glucocorticoid

Melting Point: Mp 184-187°

Optical Rotation: [α]_D +63

References:

Brückner, K. *et al.*, *Chem. Ber.*, 1961, **94**, 1225, (*synth*)

U.K. Pat., 1962, 890 835; *CA*, **60**, 630, (*synth*)

Ortega, E. *et al.*, *J. Clin. Pharmacol.*, 1976, **16**, 122, (*pharmacol*)

Mroszczak, E. *et al.*, *J. Pharm. Sci.*, 1978, **67**, 920, (*props*)

Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 726