

daily; usual maintenance doses are 3 to 18 mg daily. Doses of 0.25 to 1.5 mg/kg daily have been used in children.

References

1. Markham A, Bryson HM. Deflazacort: a review of its pharmacological properties and therapeutic efficacy. *Drugs* 1995; **50**: 317-33.
2. Mignogna MD, et al. Oral pemphigus: long term behaviour and clinical response to treatment with deflazacort in sixteen cases. *J Oral Pathol Med* 2000; **29**: 145-52.
3. Campbell C, Jacob P. Deflazacort for the treatment of Duchenne dystrophy: a systematic review. *BMC Neurol* 2003; **3**: 7. Available at: <http://www.biomedcentral.com/1471-2377/3/7> (accessed 20/06/06)
4. Biggar WD, et al. Long-term benefits of deflazacort treatment for boys with Duchenne muscular dystrophy in their second decade. *Neuromuscul Disord* 2006; **16**: 249-55.

Action. Although it has been suggested that deflazacort produces fewer adverse effects than some conventional corticosteroids such as prednisolone, a study in healthy subjects found that the ratio of efficacy for deflazacort compared with prednisolone was higher than the 1.2 : 1 previously assumed,¹ implying that lower effective doses of deflazacort had been used in such comparisons. A review² of clinical studies of patients treated with deflazacort concluded that it was slightly less potent than prednisolone, and that many of the data on adverse effects were inconsistent. All systemic corticosteroids may produce clinically significant adverse reactions (see also p.1490) which are primarily dependent on dose and duration of use.

1. Babadjanova G, et al. Comparison of the pharmacodynamic effects of deflazacort and prednisolone in healthy subjects. *Eur J Clin Pharmacol* 1996; **51**: 53-7.
2. Anonymous. Deflazacort – an alternative to prednisolone? *Drug Ther Bull* 1999; **37**: 57-8.

Renal calculi. Deflazacort has been given with nifedipine to ease the spontaneous passage of renal calculi and stone fragments (see Renal Calculi under Nifedipine, p.1356).

Preparations

Proprietary Preparations (details are given in Part 3)

Arg.: Azacortid; Defas; Flamirex; **Braz.:** Calcort; Cortax; Deflaimmun; Deflanil; Denacen; Flaz-Cort; Flazal; **Chile:** Azacortid; Dezartal; **Ger.:** Calcort; **Irl.:** Calcort; **Ital.:** Deflan; Flantadin; **Mex.:** Calcort; Setatrep; **Port.:** Rosilari; **Spain:** Dezacor; Tobolacer; Zamene; **Switz.:** Calcort; **Turk.:** Flantadin; **UK:** Calcort; **Venez.:** Calcort.

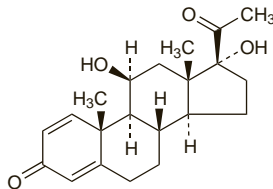
Deprodone (BAN, rINN) ⊗

Deprodona; Déprodone; Deprodonum; Desolone; RD-20000 (propionate). 11β,17α-Dihydroxypregna-1,4-diene-3,20-dione.

Депродон

$C_{21}H_{28}O_4 = 344.4$.

CAS — 20423-99-8 (depredone); 20424-00-4 (depredone propionate).



Profile

Deprodone is a corticosteroid that has been used topically as the propionate.

Desonide (BAN, USAN, rINN) ⊗

D-2083; Desfluorotriamcinolone Acetonide; Desonid; Desonida; Désonide; Desonid; Desonidum; 16-Hydroxyprednisolone 16,17-Acetonide; Prednacinolone Acetonide. 11β,21-Dihydroxy-16α,17α-isopropylidenedioxyregna-1,4-diene-3,20-dione.

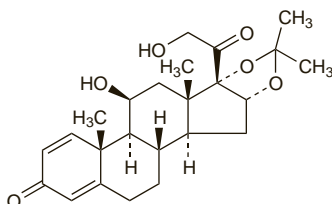
Дезонид

$C_{24}H_{32}O_6 = 416.5$.

CAS — 638-94-8.

ATC — D07AB08; S01BA11.

ATC Vet — QD07AB08; QS01BA11.



Profile

Desonide is a corticosteroid used topically for its glucocorticoid activity (p.1490) in the treatment of various skin disorders. It is usually used as a cream, ointment, or lotion containing 0.05%. The pivalate and the sodium phosphate esters have also been used.

When applied topically, particularly to large areas, when the skin is broken, or under occlusive dressings, corticosteroids may be absorbed in sufficient amounts to cause systemic effects (p.1490). The effects of topical corticosteroids on the skin are described on p.1492. For recommendations concerning the correct use of corticosteroids on the skin, and a rough guide to the clinical potencies of topical corticosteroids, see p.1497.

Preparations

Proprietary Preparations (details are given in Part 3)

Arg.: Desoplus; DesOwen; Esteronide†; Locatop; Prenacid†; **Austral.:** DesOwen; **Belg.:** Sterax†; **Braz.:** Desonol; DesOwen†; Steronide†; **Canad.:** Desocort; **Chile:** DesOwen; Sterax†; **Cz.:** Locatop; **Fin.:** Apolar; **Fr.:** Locapred; Locatop; Tridesilon†; **Hong Kong:** DesOwen; **India:** DesOwen; **Indon.:** Apolar; Dermades; Dermaide; Desolex; Nufapolar; **Israel:** Locatop; **Ital.:** Prenacid; Reticus; Sterades; **Mex.:** DesOwen; **Norw.:** Apolar; **NZ:** DesOwen†; **Philipp.:** DesOwen; **Pol.:** Locatop; **Port.:** Locapred; Zotinar; **Rus.:** Prenacid (Пренацид); **Singapore:** DesOwen; **Swed.:** Apolar†; **Switz.:** Locapred; Locatop; Sterax†; **Turk.:** Prenacid; **USA:** DesOwen; LoKara; Tridesilon†; Verdeso; **Venez.:** Dermosupril; DesOwen; Eilon.

Multi-ingredient: **Fr.:** Cirkon a la Prednacinolone; **Indon.:** Apolar-N; Desolex-N; **Norw.:** Apolar med dekalvin; **Port.:** Zotinar-N; **USA:** Tridesilon†; **Venez.:** Dermosupril C.

Desoximetasone (BAN, USAN, rINN) ⊗

A-41-304; Desoksimetasoni; Desoximetason; Desoximetasona; Désoximétasone; Desoximetasonium; Desoxymethasone; Hoe-304; R-2113. 9α-Fluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione.

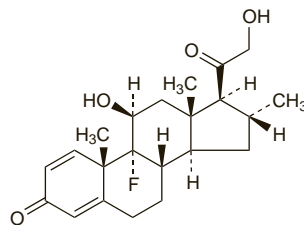
Дезоксиметазон

$C_{22}H_{29}FO_4 = 376.5$.

CAS — 382-67-2.

ATC — D07AC03.

ATC Vet — QD07AC03; QD07XC02.



Pharmacopoeias. In US.

USP 31 (Desoximetasone). A white to practically white, odourless, crystalline powder. Insoluble in water; freely soluble in alcohol, in acetone, and in chloroform.

Profile

Desoximetasone is a corticosteroid used topically for its glucocorticoid activity (p.1490) in the treatment of various skin disorders. It is usually used as a cream, gel, lotion, or ointment; concentrations used range from 0.05 to 0.25%.

When applied topically, particularly to large areas, when the skin is broken, or under occlusive dressings, corticosteroids may be absorbed in sufficient amounts to cause systemic effects (p.1490). The effects of topical corticosteroids on the skin are described on p.1492. For recommendations concerning the correct use of corticosteroids on the skin, and a rough guide to the clinical potencies of topical corticosteroids, see p.1497.

Adverse effects. A photosensitivity reaction occurred in a patient treated for psoriasis with topical desoximetasone; rechallenge led to a recurrence.¹ The patient was also receiving propranolol hydrochloride.

1. Stierstorfer MB, Baughman RD. Photosensitivity to desoximetasone emollient cream. *Arch Dermatol* 1988; **124**: 1870-1.

Preparations

USP 31: Desoximetasone Cream; Desoximetasone Gel; Desoximetasone Ointment.

Proprietary Preparations (details are given in Part 3)

Austria: Topisolon; **Braz.:** Esperson; **Canad.:** Desoxit†; Topicort; **Denm.:** Ibaril; **Fin.:** Topisolon; **Indon.:** Dercason; Desomex; Desocort; Esperson; Inerson; Lerskin; Pyderma; Soderma; Topcort; **Irl.:** Topisolon†; **Israël:** Desicort; **Ital.:** Flubason; **Neth.:** Ibaril; Topicort; **Norw.:** Ibaril; **Spain:** Flubason; **Swed.:** Ibaril†; **Switz.:** Topisolon; **Thai.:** Cendexsone; Esperson; Topicort; **UK:** Stiedex LP†; **USA:** Topicort.

Multi-ingredient: **Austria:** Topisolon mit Salicylsäure; **Braz.:** Esperson N; **Denm.:** Ibaril med salicylsyre†; **Ger.:** Topisolon†; **Indon.:** Denomix; **Norw.:** Ibaril med salicylsyre†; **Swed.:** Ibaril med salicylsyra†; **Thai.:** Topifram; **UK:** Stiedex†.

Desoxycortone (BAN, rINN)

Decortone; Deoxycortone; Desoksikortoni; Desoxicortona; Desoxicorton; Desoxycorticosterone; Désoxycortone; Desoxycortonum. 21-Hydroxypregna-4-ene-3,20-dione.

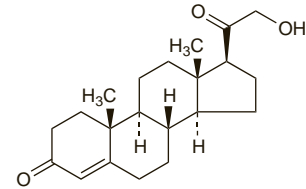
Дезоксикортон

$C_{21}H_{30}O_2 = 314.5$.

CAS — 64-85-7.

ATC — H02AA03.

ATC Vet — QH02AA03.



Desoxycortone Acetate (BANM, rINNM)

Acetato de desoxicortona; Cortin; Decortone Acetate; 11-Deoxycorticosterone Acetate; Deoxycortone Acetate; Desoksikortoniaasetatti; Desoxicortonacetat; Desoxycorticosterone Acetate; Désoxycortone, acétate de; Desoxycortoni acetat; Desoxycorton-acetát; Dezoxykorton-acetát. Desoxycortone 21-acetate.

Дезоксикортон Ацетат

$C_{23}H_{32}O_4 = 372.5$.

CAS — 56-47-3.

ATC — H02AA03.

ATC Vet — QH02AA03.

Pharmacopoeias. In Eur. (see p.vii) and US.

Ph. Eur. 6.2 (Desoxycortone Acetate). A white or almost white, crystalline powder or colourless crystals. Practically insoluble in water; sparingly soluble in alcohol; soluble in acetone; freely soluble in dichloromethane; slightly soluble in propylene glycol and in fatty oils. Protect from light.

USP 31 (Desoxycorticosterone Acetate). A white or creamy-white, odourless, crystalline powder. Practically insoluble in water; sparingly soluble in alcohol, in acetone, and in dioxan; slightly soluble in vegetable oils. Store at a temperature of 25°, excursions permitted between 15° and 30°. Protect from light.

Desoxycortone Pivalate (BANM, rINNM)

Deoxycorticosterone Pivalate; Deoxycorticosterone Trimethylacetate; Deoxycortone Pivalate; Deoxycortone Trimethylacetate; Desoxycorticosterone Pivalate; Desoxycorticosterone Trimethylacetate; Désoxycortone, Pivalate de; Desoxycortoni Pivalas; Pivalato de desoxicortona. Desoxycortone 21-pivalate.

Дезоксикортон Пивалат

$C_{26}H_{38}O_4 = 414.6$.

CAS — 808-48-0.

ATC — H02AA03.

ATC Vet — QH02AA03.

Pharmacopoeias. In US for veterinary use only.

USP 31 (Desoxycorticosterone Pivalate). Store at a temperature of 25°, excursions permitted between 15° and 30°. Protect from light.

Profile

Desoxycortone is a corticosteroid secreted by the adrenal cortex and has primarily mineralocorticoid activity (p.1490). It has no significant glucocorticoid action.

Desoxycortone acetate has been used in the treatment of adrenocortical insufficiency (p.1498) as an adjunct to cortisone or hydrocortisone. For this purpose, however, fludrocortisone given orally is now usually preferred.

Desoxycortone acetate is given by intramuscular injection as an oily solution, in doses of up to 10 mg once or twice daily.

Desoxycortone has also been used as its enantate, phenylpropionate, and sodium hemisuccinate esters. Desoxycortone pivalate is used in veterinary medicine.

Preparations

USP 31: Desoxycorticosterone Acetate Injection; Desoxycorticosterone Acetate Pellets.

Proprietary Preparations (details are given in Part 3)

Fr.: Syncortyl; **Ital.:** Cortiron; **Switz.:** Cortisteron.