

- Carlens KH, et al. Nebulised beclomethasone dipropionate in recurrent obstructive episodes after acute bronchiolitis. *Arch Dis Child* 1988; **63**: 1428-33.
- Storr J, et al. Nebulised beclomethasone dipropionate in preschool asthma. *Arch Dis Child* 1986; **61**: 270-3.
- Webb MSC, et al. Nebulised beclomethasone dipropionate suspension. *Arch Dis Child* 1986; **61**: 1108-10.
- Clarke SW. Nebulised beclomethasone dipropionate suspension: commentary. *Arch Dis Child* 1986; **61**: 1110.
- Wilson NM, Silverman M. Treatment of acute, episodic asthma in preschool children using intermittent high dose inhaled steroids at home. *Arch Dis Child* 1990; **65**: 407-10.

Chronic obstructive pulmonary disease. For discussion of the value of inhaled corticosteroids in chronic obstructive pulmonary disease, see p.1501.

Cough. In children with recurrent cough inhalation of beclomethasone 200 micrograms twice daily from a conventional aerosol or salbutamol 200 micrograms twice daily had no effect on cough frequency or severity.¹ However, in another study of 200 adults, use of beclomethasone, salbutamol, or sodium cromoglicate (all in aerosol formulation) given 15 minutes before anaesthesia significantly decreased coughing caused by fentanyl when compared with placebo. Of the 50 patients given beclomethasone, none experienced coughing.²

- Chang AB, et al. A randomised, placebo controlled trial of inhaled salbutamol and beclomethasone for recurrent cough. *Arch Dis Child* 1998; **79**: 6-11.
- Agarwal A, et al. Salbutamol, beclomethasone or sodium chromoglycate suppress coughing induced by iv fentanyl. *Can J Anesth* 2003; **50**: 297-300.

Graft-versus-host disease. Beclomethasone is under investigation for its topical effect in the treatment of intestinal graft-versus-host disease (GVHD). A study¹ in patients with acute intestinal GVHD after bone marrow transplantation (see Haematopoietic Stem Cell Transplantation, p.1811) found that addition of oral beclomethasone to prednisolone therapy was associated with a greater proportion of durable responses after 30 days. Repeated courses may be needed in some patients to achieve and maintain response, but prolonged therapy appears to be feasible.²

- McDonald GB, et al. Oral beclomethasone dipropionate for treatment of intestinal graft-versus-host disease: a randomized, controlled trial. *Gastroenterology* 1998; **115**: 28-35.
- Iyer RV, et al. Long-term use of oral beclomethasone dipropionate for the treatment of gastrointestinal graft-versus-host disease. *Biol Blood Marrow Transplant* 2005; **11**: 587-92.

Inflammatory bowel disease. Beclomethasone 500 micrograms given nightly as an enema was as effective as betamethasone 5 mg enemas in the treatment of acute attacks of distal ulcerative colitis.¹ Although betamethasone produced slightly superior histological improvement and faster disappearance of blood from the stools, systemic adverse effects observed with betamethasone therapy were absent in patients treated with beclomethasone.

Comparisons of beclomethasone dipropionate enemas (3 mg) with prednisolone sodium phosphate enemas² (30 mg) or mesalazine enemas³ (1 g) found them to be equally effective. Treatment was well tolerated. Beclomethasone dipropionate has also been investigated for the oral treatment of ulcerative colitis.^{4,5}

For a review of the management of inflammatory bowel disease, including the role of corticosteroids, see p.1697.

- Halpern Z, et al. A controlled trial of beclomethasone versus betamethasone enemas in distal ulcerative colitis. *J Clin Gastroenterol* 1991; **13**: 38-41.
- Campieri M, et al. Beclomethasone dipropionate enemas versus prednisolone sodium phosphate enemas in the treatment of distal ulcerative colitis. *Aliment Pharmacol Ther* 1998; **12**: 361-6.
- Gionchetti P, et al. Italian BDp Study Group. Topical treatment of distal active ulcerative colitis with beclomethasone dipropionate or mesalamine: a single-blind randomized controlled trial. *J Clin Gastroenterol* 2005; **39**: 291-7.
- Rizzello F, et al. Oral beclomethasone dipropionate in the treatment of active ulcerative colitis: a double-blind placebo-controlled study. *Aliment Pharmacol Ther* 2002; **16**: 1109-16.
- Campieri M, et al. Oral beclomethasone dipropionate in the treatment of extensive and left-sided active ulcerative colitis: a multicentre randomised study. *Aliment Pharmacol Ther* 2003; **17**: 1471-80.

Preparations

BP 2008: Beclomethasone Cream; Beclomethasone Nasal Spray; Beclomethasone Ointment; Beclomethasone Powder for Inhalation; Beclomethasone Pressurised Inhalation.

Proprietary Preparations (details are given in Part 3)

- Arg:** Aerobecosone; Egosona; Menaderm Simple; Propavent; Qvar; Recotmenaderm; Rinosol; **Austral:** Aldecin; Becloforte; Beconase; Beconase Hayfever; Becotide; Qvar; **Austria:** Aerocortin; Beclomet; Beconase; Beclotide; Cenil; **Belg:** Belometapont; Beclophar; Beconase; Beclotide; Qvar; **Braz:** Alerin; Beclosal; Cenil; Mifasona; **Canad:** Gen-Beclo; propadern; Qvar; Rivanase; **Chile:** Biclosome; Beclovent; Beconase; Destap; Flilar; Flumates; Xiten; **Cz:** Aldecin; Beclazone; Becloforte; Beclomet; Beclodisks; Beconase; Beclotide; Cenil; Ecobe; Mifason; Nasobec; **Denn:** AeroBec; Beclomet; Beconase; **Fin:** AeroBec; Beclonet; Beclonsal; Beconase; Beclotide; **Fr:** Asmabec; Bedo-Rhino; Bedclojet; Bedcone; Bedclosp; Beconase; Beclotide; Benmedrex; Ecobe; Hunex Rhume des Foins; Mifason; Nodoxin; Prohalox; Qvar; Sipir; **Ger:** AeroBec; Bedo; Bcio Siozzwo; Beclobreath; Beclorhast; Bedrolinor; Beclorhast; Beconase; Aquosun; Bronchocort; Junik; ratiOAllerg; Rhinivit; Sanasthmax; Samsthmy; Ventolair; Viarox; **Gr:** Beclomet; Beclosal; Beclotide; Bidilim; Cenil Forte Jet; Cenil Rino; Cenil; Qvar; Respocort; Rinosol; **Hong Kong:** Aldecin; Beclate; Beclazone; Bedo-Rhino; Becloforte; Beclodisks; Beconase; Beclotide; Cenil; Ecobe; Cycloson; Nasobec; Qvar; **Hung:** Aldecin; Bedclom; Beclonal; Ecobe; **Indon:** Beclomet; Beconase; Beclotide; Cleniderm; **Irل:** AeroBec; Asmabec; Beclazone; Bedo-Rhino; Beclodisks; Beconase; Beclotide; Nasobec; Qvar; **Israel:** Bedloforte; Beconase; **Ital:** Beclotide; Beclotide A; Bronco-Turbinal; Cenil; Cenilexx; Clipper; Klostenal; Menaderm Simplex; Prontinal; Rino Cenil; Topster; Turbinal; **Prop:** Propadern; Rhinocort; Salcoat; **Malaysia:** Atomas; Beclate; Beclazone; Becloforte; Beclomet; Beconase; Beclotide; Cenil; Qvar; **Mex:** Beclazone; Beconase; Beclotide; Dobiro; Rifenera; **Neth:** AeroBec; Aldecin; Bedclod; Becloforte; Beconase; Beclotide; Cenil; Qvar; Vianin; **Norw:** AeroBec; Beclomet; Beclotide; Cenil; Qvar; Re-spocort; **Philipp:** Qvar; **Pol:** Beclodisk; Cortare; Nasobec; **Port:** Aldecina; Atomas; Beclazone; Beconase Hayfever; Mifason; Qvar; Respocort; **Turk:** Viatr; **Ventra:** Viatr; **Singapore:** Atomas; Beclazone; Bedclofort; Beclomet; Beclodisks; Beconase; Cenil; Ecobe; **Rus:** Aldecin (Альдезин); Beclazone (Беклазон); Becloforte (Беклофорт); Beclojet (Беклофажет); Beclodisks; Beconase (Беконаз); Beclotide (Бекотид); Cenil (Кенил); Nasobec (Насобек); **S Afr:** AeroBec; Anercon; Beceze; Beclate; Becloforte; Beclodisks; Beconase; Beclotide; Cenil; Cycloson; Nobe; Qvar; Ventraze; Viatr; **Switz:** AeroBec; BECebo; Becloforte; Beclomet; Beclodisks; Beconase; Beclotide; Cenil; Clipper; Dexamona; Deremad; Menaderm Simple; Qvar; Recto Menaderm NF; **Wed:** AeroBec; Beclomet; Beclotide; Cenil; Ecobe; **Yug:** AeroBec; Becloforte; Beclomet; Beclodisks; Beconase; Beclotide; Cenil; Rino Cenil; **Turk:** Becloforte; Beclodisks; Beclomet; Beclazone; Becloforte; Beclotide; Cenil; Filar; **UAE:** Beclohale; Asmabec; Beclazone; Becloforte; Beclotide; Cenil; Flilar; Hayfever Relief; Nasal-Bec; Nasobec; Pollenase Nasal; Propadem; Pulvinal Beclometasone Dipropionate; Qvar; Vivace; **USA:** Beclovent; Beconase; Qvar; Vancenase; **Venez:** Aldecina; Becloforte; Beclomet; Bedclorino; Beclosal; Beconase; Bioboclazon; Biobclod; Genbecl; Nasal; Rinocinil.

- Multi-ingredient:** **Arg:** Bedasma; Biotera Gamma; Biotera Nebulizable; Butocort; Butosol; Menaderm N; Salbutol B; Ventide; **Austria:** Ventide; **Braz:** Aerotide; Cenil Compositum; **Chile:** Aero-Plus; Aerosoma; Asmavent-B; Beclasmat; Belomet; Broncotel-B; Butal B; Herolan Aero-Sol; Ventide; **Cz:** Clenigen; Combar; Formodual; **Fr:** Innovar; **Hong Kong:** Ventide; **India:** Aerocort; Anovate; Beclate-C; Beclate-N; Candibiotic; Candil B; Candimera +; Candiderma; Cloben-G; Clopi B; Clopi NB; Cutinorm; Ecodax; NC-Derm; Otek-AC+; Pilovate; Sigmaderm; Stecot-NM; Transilo-Triple; **Indon:** Ventide; **Ital:** Cenil Compositum; Menaderm; Ventolin Flogo; **Mex:** Ventide; **Philipp:** Cenidibe; **Port:** Formudual; Foster; **Rus:** Canibiotic (Канабиотик); Cenil B (Канама Б); **Singapore:** Cenil Compositum; Ventide; **Span:** Bitosol; Menaderm Clio; Menaderm Clio; Menaderm Otologico; **Thail:** Cenil Compositum; Ventide; **Turk:** Ventide; **UK:** Fostair; **Venez:** Aerocort; Beclomet Compositum; Beclosal; Bitosol; Salbutide; Venticort; Ventide.

Betamethasone (BAN, USAN, rINN) \otimes

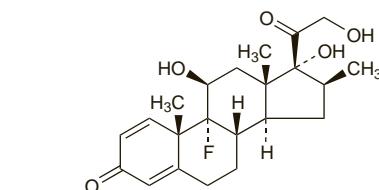
Beetametasone; Betadexamethasone; Betametason; Betametasone; Betametazon; Betametazon; Betamethason; Bétaméthasone; Betamethasonum; Flubenisolone; Flubenisolonom; 9 α -Fluoro-16 β -methylprednisolone; β -Methasone; NSC-39470; Sch-4831; 9 α -Fluoro-11 β ,17 α ,21-trihydroxy-16 β -methylpregna-1,4-diene-3,20-dione.

Бетаметазон



CAS — 378-44-9.

- ATC — A07EA04; C05AA05; D07AC01; H02AB01; R01AD06; R03BA04; S01BA06; S02BA07; S03BA03.
- ATC Vet — QA07EA04; QC05AA05; QD07AC01; QH02AB01; QR01AD06; QR03BA04; QS01BA06; QS02BA07; QS03BA03.



Pharmacopoeias. In Chin., Eur. (see p.vii), Int., Jpn, and US.

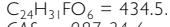
Ph. Eur. 6.2 (Betamethasone). A white or almost white, crystalline powder. Practically insoluble in water; sparingly soluble in alcohol; very slightly soluble in dichloromethane. Protect from light.

USP 31 (Betamethasone). A white to practically white, odourless, crystalline powder. Soluble 1 in 5300 of water, 1 in 65 of alcohol, 1 in 15 of warm alcohol, 1 in 325 of chloroform, and 1 in 3 of methyl alcohol; sparingly soluble in acetone and in dioxan; very slightly soluble in ether. Store in airtight containers at a temperature between 2° and 30°.

Betamethasone Acetate (BAN, rINN) \otimes

Acetato de betametasona; Beetametasonaetata; Betametasonacetata; Betametazon Asetat; Betametazon-acetát; Betametazon acetatas; Betamethason-acetát; Bétaméthasone, acétate de; Betamethason acetas. Betamethasone 21-acetate.

Бетаметазона Ацетат



CAS — 987-24-6.

- ATC — A07EA04; C05AA05; D07AC01; H02AB01; R01AD06; R03BA04; S01BA06; S02BA07; S03BA03.
- ATC Vet — QA07EA04; QC05AA05; QD07AC01; QH02AB01; QR01AD06; QR03BA04; QS01BA06; QS02BA07; QS03BA03.

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

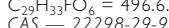
Ph. Eur. 6.2 (Betamethasone Acetate). A white or almost white, crystalline powder. Practically insoluble in water; soluble in alcohol and in dichloromethane; freely soluble in acetone. It shows polymorphism. Protect from light.

USP 31 (Betamethasone Acetate). A white to creamy-white, odourless powder. Soluble 1 in 2000 of water, 1 in 9 of alcohol, and 1 in 16 of chloroform; freely soluble in acetone. Store in airtight containers at a temperature between 2° and 30°.

Betamethasone Benzoate (BANM, USAN, rINNM) \otimes

Benzato de betametasona; Bétaméthasone, Benzoate de; Beta-methasoni Benzoas; VV-5975. Betamethasone 17 α -benzoate.

Бетаметазона Бензоат



CAS — 22298-29-9.

- ATC — A07EA04; C05AA05; D07AC01; H02AB01; R01AD06; R03BA04; S01BA06; S02BA07; S03BA03.
- ATC Vet — QA07EA04; QC05AA05; QD07AC01; QH02AB01; QR01AD06; QR03BA04; QS01BA06; QS02BA07; QS03BA03.

Pharmacopoeias. In US.

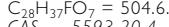
USP 31 (Betamethasone Benzoate). A white to practically white, practically odourless, powder. Insoluble in water; soluble in alcohol, in chloroform, and in methyl alcohol. Store in airtight containers at a temperature between 2° and 30°.

Betamethasone Dipropionate

(BANM, USAN, rINNM) \otimes

Beetametasonidipropionatti; Betametasondipropionat; Betametazon Dipropionat; Betametazon-dipropionát; Betametazono dipropionatas; Betametazonu dipropionian; Betamethason-dipropionát; Bétaméthasone, dipropionate de; Betamethason dipropionas; Dipropionato de betametasona; Sch-I 1460. Beta-methasone 17 α ,21-dipropionate.

Бетаметазона Дипропионат



CAS — 5593-20-4.

- ATC — A07EA04; C05AA05; D07AC01; H02AB01; R01AD06; R03BA04; S01BA06; S02BA07; S03BA03.
- ATC Vet — QA07EA04; QC05AA05; QD07AC01; QH02AB01; QR01AD06; QR03BA04; QS01BA06; QS02BA07; QS03BA03.

NOTE. Compounded preparations of betamethasone dipropionate may be represented by the following names:

- Co-climasone (PEN)—clotrimazole and betamethasone dipropionate.

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

Ph. Eur. 6.2 (Betamethasone Dipropionate). A white or almost white, crystalline powder. Practically insoluble in water; sparingly soluble in alcohol; freely soluble in acetone and in dichloromethane. Protect from light.

USP 31 (Betamethasone Dipropionate). A white to cream-white, odourless powder. Insoluble in water; sparingly soluble in alcohol; freely soluble in acetone and in chloroform. Store in airtight containers at a temperature of 25°, excursions permitted between 15° and 30°.

Betamethasone Sodium Phosphate

(BANM, rINNM) \otimes

Beetametasoninatriumfosfatti; Betametasonnatrifosfat; Betametazon Disodium Fosfat; Betametazon-nátrium-foszfát; Betametazono natrio fosfatas; Betamethason Disodium Phosphate; Bétaméthasone, phosphate sodique de; Betamethason-fosfat sódna súl; Betamethasoni natrii phosphas; Fosfato sódico de betametasona; Natrii Betamethasoni Phosphas. Betamethasone 21-(disodium phosphate).

Натрия Бетаметазона Фосфат



CAS — 360-63-4 (betamethasone phosphate); 151-73-5 (betamethasone sodium phosphate).

- ATC — A07EA04; C05AA05; D07AC01; H02AB01; R01AD06; R03BA04; S01BA06; S02BA07; S03BA03.
- ATC Vet — QA07EA04; QC05AA05; QD07AC01; QH02AB01; QR01AD06; QR03BA04; QS01BA06; QS02BA07; QS03BA03.

NOTE. BET is a code approved by the BP 2008 for use on single unit doses of eye drops containing betamethasone sodium phosphate where the individual container may be too small to bear all the appropriate labelling information.

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

Ph. Eur. 6.2 (Betamethasone Sodium Phosphate). A white or almost white, very hygroscopic, powder. Freely soluble in water; slightly soluble in alcohol; practically insoluble in dichloromethane. A 1% solution in water has a pH of 7.5 to 9.0. Store in airtight containers. Protect from light.

USP 31 (Betamethasone Sodium Phosphate). A white to practically white, odourless, hygroscopic, powder. Soluble 1 in 2 of water and 1 in 470 of alcohol; freely soluble in methyl alcohol; practically insoluble in acetone and in chloroform. Store in airtight containers.

Betamethasone Valerate (BANM, USAN, INNM)

Betametasonivaleraatti; Betametasonvalerat; Betametazon Valerat; Betametazono valeratas; Betametazonu walerianian; Betametazon-valérat; Béthaméthasone, valérat de; Betamethason valeras; Betamethason-valérat; Valerato de betametasona. Betamethason 17 α -valerate.

Бетаметазона Валерат

$C_{27}H_{37}FO_6$ = 476.6.

CAS — 2152-44-5.

ATC — A07EA04; C05AA05; D07AC01; H02AB01; R01AD06; R03BA04; S01BA06; S02BA07; S03BA03.

ATC Vet — Q0A7EA04; QC05AA05; QD07AC01; QH02AB01; QR01AD06; QR03BA04; QS01BA06; QS02BA07; QS03BA03.

Pharmacopoeias. In Eur. (see p.vii), Int., Jpn, US, and Viet.

Ph. Eur. 6.2 (Betamethasone Valerate). A white or almost white, crystalline powder. Practically insoluble in water; soluble in alcohol; freely soluble in acetone and in dichloromethane. Protect from light.

USP 31 (Betamethasone Valerate). A white to practically white, odourless, powder. Practically insoluble in water; soluble 1 in 6 of alcohol, 1 in less than 10 of chloroform, and 1 in 400 of ether; freely soluble in acetone; slightly soluble in benzene. Store in airtight containers.

Adverse Effects, Treatment, Withdrawal, and Precautions

As for corticosteroids in general (see p.1490).

Betamethasone has little or no effect on sodium and water retention.

When applied topically, particularly to large areas, when the skin is broken, or under occlusive dressings, or when given intranasally, corticosteroids may be absorbed in sufficient amounts to cause systemic effects. Prolonged use of ophthalmic preparations containing corticosteroids has caused raised intra-ocular pressure and reduced visual function.

Anosmia. Complete anosmia was reported in 2 patients after the use of nasal drops containing betamethasone and neomycin sulfate¹ and, in one patient, showed no sign of resolving 1 year later. The reaction was thought to be due to the preservative thiomersal present in the drops, although it was noted that neomycin could exert a toxic effect on the olfactory mucosa and that there have been several reports of anosmia associated with the use of betamethasone alone.

1. Whitt HB, et al. Anosmia due to nasal administration of corticosteroid. *BMJ* 1991; **303**: 651.

Interactions

The interactions of corticosteroids in general are described on p.1494.

Pharmacokinetics

For a brief outline of the pharmacokinetics of corticosteroids, see p.1495. Betamethasone crosses the placenta.

Uses and Administration

Betamethasone is a corticosteroid with mainly glucocorticoid activity (p.1490); the anti-inflammatory activity of 750 micrograms of betamethasone is equivalent to about 5 mg of prednisolone. It has been used, either in the form of the free alcohol or in one of the esterified forms, in the treatment of conditions for which corticosteroid therapy is indicated (p.1495), except adrenal-deficiency states for which hydrocortisone with supplementary fludrocortisone is preferred. Its virtual lack of mineralocorticoid properties makes betamethasone particularly suitable for treating conditions in which water retention would be a disadvantage.

The dose is usually expressed in terms of the base, and the following are each equivalent to about 1 mg of betamethasone:

- betamethasone acetate 1.1 mg
- betamethasone benzoate 1.3 mg
- betamethasone dipropionate 1.3 mg
- betamethasone sodium phosphate 1.3 mg
- betamethasone valerate 1.2 mg

When given orally betamethasone or betamethasone sodium phosphate are used; the usual dose, expressed in terms of betamethasone, ranges from 0.5 to 5 mg daily.

For parenteral use the sodium phosphate ester may be given intravenously by injection or infusion or intramuscularly by injection in doses equivalent to 4 to 20 mg of betamethasone. It may also be given by local injection into soft tissues in doses equivalent to 4 to 8 mg of betamethasone. Doses in children, as a slow intravenous injection, are:

- infants aged up to 1 year: the equivalent of 1 mg of betamethasone
- 1 to 5 years: 2 mg
- 6 to 12 years: 4 mg

Doses may be repeated 3 or 4 times in 24 hours if necessary, depending on the condition being treated and the clinical response. The sodium phosphate ester is also sometimes used with the acetate or dipropionate esters, which have a slower and more prolonged action. Betamethasone sodium phosphate is also used in the topical treatment of allergic and inflammatory conditions of the eyes, ears, or nose, usually as drops or ointment containing 0.1%.

For topical application in the treatment of various skin disorders the dipropionate and valerate esters of betamethasone are extensively used; the usual concentrations available are the equivalent of 0.05% of betamethasone as the dipropionate, and 0.025 or 0.1% as the valerate. 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.

Betamethasone valerate has also been used by inhalation for the prophylaxis of asthma.

Other esters of betamethasone which have occasionally been used include the benzoate, butyrate propionate, phosphate, salicylate (cortobenzolone), and valeroacetate.

Betamethasone adamantoate has been used in veterinary practice.

Haemangioma. For reference to the use of a mixture of betamethasone and triamcinolone for the intralesional injection of haemangiomas, see p.1505.

Inflammatory bowel disease. For a comparison of betamethasone and beclometasone enemas in the treatment of ulcerative colitis, see under Beclometasone, p.1518. Corticosteroids are one of the mainstays of treatment of inflammatory bowel disease, the general management of which is discussed on p.1697.

Neonatal respiratory distress syndrome. For a discussion on the antenatal use of betamethasone to prevent neonatal respiratory distress syndrome, see p.1508.

Preparations

BP 2008: Betamethasone and Clioquinol Cream; Betamethasone and Clioquinol Ointment; Betamethasone Eye Drops; Betamethasone Injection; Betamethasone Sodium Phosphate Tablets; Betamethasone Tablets; Betamethasone Valerate Cream; Betamethasone Valerate Lotion; Betamethasone Valerate Ointment; Betamethasone Valerate Scalp Application;

USP 31: Betamethasone Benzoate Gel; Betamethasone Cream; Betamethasone Dipropionate Cream; Betamethasone Dipropionate Lotion; Betamethasone Dipropionate Ointment; Betamethasone Dipropionate Topical Aerosol; Betamethasone Sodium Phosphate and Betamethasone Acetate Injectable Suspension; Betamethasone Sodium Phosphate Injection; Betamethasone Syrup; Betamethasone Tablets; Betamethasone Valerate Cream; Betamethasone Valerate Lotion; Betamethasone Valerate Ointment; Clotrimazole and Betamethasone Dipropionate Cream.

Proprietary Preparations (details are given in Part 3)

Arg.: Beta Adenil[†]; Betacort; Beta-G; Betasone-G 12 Hours; Betapotic; Betavone; Betnovate Capilar; Blacos; Butasona RL; Celestone; Celestone Cronodose; Cevicort; Cevicort NC; Coid; Corteroid; Corteroid Retard; Cortiderma; Cortinair; Cronocorteroid; Cronolevel; Deltafalt; Dermizol; Difenc Forte Diproct[†]; Diprosone; Lazar-Cort; Maxison[†]; Metamar; Micosep B; Quiacon[†]; Transderma B; Valederm; **Austral.:** Antroquoril; Betnovate; Celestone Chronodose; Celestone M; Celestone V[†]; Cortival; Diprosone; Elephurat; **Austria:** Betnesol[†]; Betnovate; Celestan; Diproderm; Diprofite; Elephurat; **Australia:** Betnesol[†]; Betnovate; Celestan; Diproderm; Diprofite; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; 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Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet; **Canad.:** Betaderm; Betajet; Betnesol; Celestoderm[†]; Celestone Soluspan; Diprolene Glycol; Diprosone; Prevox B; ratio-Ectosone; ratio-Topilene; ratio-Topisone; Tarosone; Topisone[†]; Valisone; **Chile:** Betnovate[†]; Cidoten; Cidoten Rapiletone; Cidoten V; Cortex; Cremin[†]; Cronolevel; Dacam; Dacam RL; Diproline; Diprosone; Disopranol; Konicort; Labosona[†]; Ofatona P; Spel; **Cz.:** Beloderm; Beta[†]; Betesil; Betnovate; Celestoderm-V[†]; Diprophos; Diprosone; Diprosone; Duoflant Koide; Sensitex; Valbet;