Potassium Metaphosphate

E452 (potassium polyphosphates); Polifosfato potásico; Potassium Kurrol's Salt; Potassium Polymetaphosphate. $(KPO_3)_x$

CAS — 7790-53-6.

Pharmacopoeias. In USNF.

USNF 26 (Potassium Metaphosphate). A straight-chain polyphosphate, having a high degree of polymerisation. It contains the equivalent of 59 to 61% of P2O5. A white, odourless powder. Insoluble in water; soluble in dilute solutions of sodium

Profile

Potassium metaphosphate is used as a buffer.

Pramiverine Hydrochloride (BANM, rINNM)

EMD-9806 (pramiverine); Hidrocloruro de pramiverina; HSP-2986 (pramiverine); Pramivérine, Chlorhydrate de; Pramiverini Hydrochloridum. N-lsopropyl-4,4-diphenylcyclohexylamine hydrochloride.

Прамиверина Гидрохлорид

 $C_{21}H_{27}N,HCI = 329.9$

CAS -– 14334-40-8 (pramiverine); 14334-41-9 (pramiverine hydrochloride).

Profile

Pramiverine hydrochloride has been used as an antispasmodic.

Proprietary Preparations (details are given in Part 3) Indon.: Systabon; Venez.: Sistalcin

Multi-ingredient: Chile: Sistalgina†: Venez.: Sistalcin Compositum.

Pregnancy and Fertility Tests

Pruebas de embarazo y de fertilidad.

Profile

There are a number of kits available for simple pregnancy and fertility testing. A common method of detecting pregnancy is to use specific antibodies to measure the increase in chorionic gonadotrophin in the urine. The period of ovulation can be detected by measuring luteinising hormone excretion in similar ways.

These tests can give false results. Those carrying out the tests should be aware of this and of problems such as contaminated specimens, drug therapy, or other factors that could affect the re-

Preparations

Proprietary Preparations (details are given in Part 3)

Proprietary Preparations (details are given in Part 3)

Arg.: After 10†; Ahora Test†; B. Quick; Biofem Test; Evanol; Evaplan; Evatest Gestatest†; Gravitest†; Mater Test; Nieve Lunas; Ovutest†; PG/53; Si o No†; Simple HCG; Teal rest; Very-Test†, Austral: Answer†; Clearblue One Step†; Clearplan One Step†; Clearview HCG; Clinitek HCG†; Crystal Clear†; Discover Onestep; Discover Onestep Ovulation Prediction; Dotest†; Fortel†; Nimbus†; Ovuplan; Pregnosis; Braz.: Clearblue Easy; Detect Baby; Fertility Day; My Check†; Predictor; Canad.: Answer Now†; Clearblue; Clearplan; Confirm: Fact Plus; First Response; Simplicity†; Chile: Clear Blue; Clearplan†; Test Pack Plus; First Response; Simplicity†; Chile: Clear Blue; Clearplan†; Test Pack Plus; First Babycheck-Plus; BB Test; Blue-test†; Clearblue test do violation; Clearblue; Clearplan; Violation; Pregnospia; Orion; O

Conceive Pregnancy; ept Stick Test; Fact Plus; First Response; Fortel; Nimbus; OvuGen†; Ovukit†; Ovuquick†; Pregnosis; QTest; QTest Ovulation†; QuickVue; RapidVue; TestPack Plus hCG-Urine; UCG-Slide; Unistep hCG; Venez.: Clear Blue Easy†; Clear Plus Easy†.

Prenylamine (BAN, USAN, rINN)

B-436; Hoechst-12512; Prenilamina; Prenylamin; Prénylamine; Prenylaminum; Prenyyliamiini. 2-Benzhydrylethyl(α-methylphenethyl)amine.

Прениламин

 $C_{24}H_{27}N = 329.5.$ CAS — 390-64-7. ATC — COIDX02

ATC Vet - QC01DX02

Prenylamine Lactate (BANM, rINNM)

Lactato de prenilamina; Prénylamine, Lactate de; Prenylamini Lactas; Prenylaminii Lactas.

Прениламина Лактат

 $C_{24}H_{27}N, C_3H_6O_3 = 419.6.$ CAS - 69-43-2. ATC - COIDXO2.

ATC Vet - QC01DX02.

Profile

Prenylamine depletes myocardial catecholamine stores and has some calcium-channel blocking activity. It was formerly used in the treatment of angina pectoris but has been superseded by less toxic drugs. Use of prenylamine has been associated with the development of ventricular arrhythmias and ECG abnormalities. Tremor and extrapyramidal symptoms have also occurred.

Porphyria. Prenylamine is considered to be unsafe in patients with porphyria because it has been shown to be porphyrinogenic in in-vitro systems.

Primula Root

Gullviverot; Kankalingyökér; Kevätesikonjuuri; Primelwurzel; Primevère, racine de; Prímula; Primulae radix; Prvosenkový kořen; Racine de Primevère; Raktažolių šaknys; Schlüsselblumenwurzel.

Pharmacopoeias. Eur. (see p.vii) includes Primula root. Ph. Eur. 6.2 (Primula Root; Primulae Radix). Consists of the whole or cut, dried rhizome and root of Primula veris [cowslip] or P. elatior [oxlip]. It has a bitter taste. Protect from light.

Profile

Primula root has expectorant properties and is used for cough and other respiratory-tract disorders.

Cowslip, the flowers, leaves, and roots of Primula veris (P. officinalis) (Primulaceae), is widely used in herbal medicine. The flowers have sedative properties and are used for insomnia, hyperactivity, and anxiety disorders. The flowers and leaves have also been used similarly to primula root.

Oxlip flowers and root (P. elatior) and primrose root (P. vulgaris) have also been used.

Homoeopathy. Cowslip has been used in homoeopathic medicines under the following names: Primula veris.

Proprietary Preparations (details are given in Part 3)

Proprietary Preparations (details are given in Part 3)

Multi-ingredient: Arg.: Expectosan Hierbas y Miel; Austria: Bronchithym; Cardiodoron; Heumann's Bronchialtee; Krauter Hustensaft: Sinupret; Sokopret; Thymoval; Canad.: Original Herb Cough Drops; Cz.: Biotussii; Bronchialtee N†; Bronchicum Elixir†; Bronchicum Hustensirup†; Bronchiens Sekret-Loser†; Bronchicum Elixir Plus†; Bronchicum Elixir N†; Bronchicum Elixir Plus†; Bronchicum Elixir N; Bronchicum Elixir Plus†; Bronchicum Elixir N; Bronchicum Elixir Plus†; Bronchicum Elixir Spronchicum Elixir N†; Bronchicum Elixir Plus†; Bronchicum Elixir Spronchicum Elixir N†; Bronchicum Elixir Plus†; Bronchicum Elixir N; Equisil N; Expectysat N; Harzer Hustenloser†; Heumann Bronchialtee Solubifix T; JuViton†; Kinder Em-eukal Hustensaft†; Kneipp Husten- und Bronchial Tee; Phytobronchin; Sinuforton; Sinupret; Hussiflorin forte†; Tussiflorin forte†; Tus pour les veines; Strath Gouttes Rhumatisme; Tisane pectorale pour les enfants; **Thai.:** Sinupret; Solvopret TP; **UK:** Bio-Strath Willow Formula; Onopordon Comp B.

Proadifen Hydrochloride (USAN, rINNM)

Hidrocloruro de proadifeno; NSC-39690; Proadifène, Chlorhydrate de; Proadifeni Hydrochloridum; Propyladiphenine Hydrochloride; RP-5171; SKF-525-A. 2-Diethylaminoethyl 2,2-diphenylvalerate hydrochloride.

Проадифена Гидрохлорид

 $C_{23}H_{31}NO_{2}$,HCl = 390.0. CAS — 302-33-0 (proadifen); 62-68-0 (proadifen hydrochloride).

> CH₃ CH_3 (broadifen)

Profile

Proadifen has been found to enhance the effects of many drugs, possibly by inhibiting metabolism.

Probiotics

Probiotics are defined as live micro-organisms used as food supplements to improve the health of the host when given in ade-

Lactic-acid-producing Organisms

Láctico, organismos productores de ácido.

МолочноКислые Бактерии

ATC Vet — QA07FA0 i.

Profile

Lactic-acid-producing organisms were first introduced as potential therapeutic agents with the idea of acidifying the intestinal contents and thus preventing the growth of putrefactive organisms. Lactobacillus bulgaricus (Lactobacillus delbrueckii subsp. bulgaricus), which occurs in naturally soured milk, was the organism originally used but it can be difficult to obtain growth of this organism in the intestines. Natural yogurt is a common source of lactic-acid-producing organisms.

It is now thought that the gastrointestinal tract may play a wider part in host defences and consequently there is increasing interest in the use of live non-pathogenic microbial cultures to optimise the enteric microbiota, including in neonates. These are referred to as probiotics and are generally commensal lactic-acid producing bacteria, although some yeasts are also used. Organisms currently being used in probiotic preparations include Lactobacillus spp. and Bifidobacterium spp. Other organisms that may be used are Enterococcus and Streptococcus spp., and the yeast Saccharomyces houlardii

Probiotics are promoted to restore or maintain a healthy microbial flora, and are widely available as yogurts or other fermented milk products, as well as oral dosage forms such as tablets, capsules, and powders. They are being investigated in the management of several gastrointestinal disorders including diarrhoea and inflammatory bowel disorders. Probiotics are also being investigated in vaginal disorders and allergic disorders such as atopic eczema.

A vaccine produced from strains of lactobacillus found in women with trichomoniasis has been used in the prophylaxis of recurrent trichomoniasis (see p.2241).

Adverse effects. Metabolic acidosis has occurred after use of tablets containing Lactobacillus acidophilus. 1 Cases of infection associated with the use of lactic-acid-producing organisms seem to be very rare,2 although fungaemia associated with the use of Saccharomyces boulardii, 3 and sepsis associated with Lactobacillus spp. 4 have been reported. Reviews 5,6 on the safety of probiotics concluded that their overall safety record is good. However, the authors recommend caution in certain patient groups such as the elderly and premature or immunocompromised neonates because of occasional reports of sepsis that have rarely occurred in previously healthy patients.⁵ Use of enterococci and streptococci as probiotics give a theoretical cause for concern since these genera include pathogenic bacteria.⁵ Properties of probiotics are specific to species and strain and therefore reports on safety for one probiotic cannot be generalised to others.

- Oh MS, et al. -Lactic acidosis in a man with short-bowel syndrome. N Engl J Med 1979; 301: 249–52.
 Borriello SP, et al. Safety of probiotics that contain lactobacilli or bifidobacteria. Clin Infect Dis 2003; 36: 775–80.

- Piarroux R, et al. Are live saccharomyces yeasts harmful to patients? Lancet 1999; 353: 1851–2.
- 4. Land MH, et al. Lactobacillus sepsis associated with probiotic therapy. Pediatrics 2005; 115: 178-81.
- 5. Bovle RJ, et al. Probiotic use in clinical practice: what are the risks? Am J Clin Nutr 2006; 83: 1256-64.
- Hammerman C, et al. Safety of probiotics: comparison of two popular strains. BMJ 2006; 333: 1006–8.

Composition and viability. Some preparations of probiotics have been found to contain smaller quantities or different species of organisms to those specified on the label.1 An FAO/WHO working group2 published some guidelines that should be followed in order to claim that a food has a probiotic effect. These include the genus, species, and strain of the organisms in the preparation to be stated on the product label using currently recognised systematic nomenclature, and a statement of the minimum number of viable organisms remaining at the end of the product shelf-life.

- 1. Hamilton-Miller JMT, et al. "Probiotic" remedies are not what they seem. BMJ 1996; 312: 55-6.
- FAO/WHO. Guidelines for the evaluation of probiotics in food. London Ontario, Canada: Food and Agriculture Organization of the United Nations, 2002. Also available at: http://www.who.int/foodsafety/fs_management/en/probiotic_guidelines.pdf (accessed 11/02/08)

Uses. ALLERGIC DISORDERS. Oral ingestion of probiotic bacteria may play a role in the development of the adaptive immune system¹ and there has been some interest in their use in the management of allergic disorders such as atopic ecze-ma. ²⁻⁵ However, reviews^{6,7} of studies in allergic disorders have concluded that although there appears to be a reasonable theoretical basis for expecting benefit with probiotics, there are insufficient data to support their inclusion in routine treatment regimens for atopic eczema, perennial allergic rhinitis,

- 1. Rinne M, et al. Effect of probiotics and breastfeeding on the Bifidobacterium and Lactobacillus/Enterococcus microbiota and humoral immune responses. J Pediatr 2005; 147: 186–91.
- Kalliomäki M, et al. Probiotics and prevention of atopic disease: 4-year follow-up of a randomised placebo-controlled trial. Lancet 2003; 361: 1869–71.
- 3. Rosenfeldt V, et al. Effect of probiotics on gastrointestinal symptoms and small intestinal permeability in children with atopic dermatitis. *J Pediatr* 2004; **145:** 612–16.
- Weston S, et al. Effects of probiotics on atopic dermatitis: a ran-domised controlled trial. Arch Dis Child 2005; 90: 892–7.
- 5. Fölster-Holst R, et al. Prospective, randomized controlled trial on *Lactobacillus rhamnosus* in infants with moderate to severe atopic dermatitis. *Br J Dermatol* 2006; **155:** 1256–61.
- Anonymous. Probiotics for atopic diseases. Drug Ther Bull 2005; 43: 6–8.
- 7. Prescott SL, Björkstén B. Probiotics for the prevention or treatent of allergic diseases. J Allergy Clin Immunol 2007; 120:

GASTROINTESTINAL DISORDERS. Oral probiotics are under investigation for several gastrointestinal disorders and although they appear to be of benefit in some conditions, further study is required to confirm these findings. It is probable that efficacy depends on the species and strain of the organism as well as on the condition being treated. 1,2

Conclusions from a systematic review³ suggest that probiotics might be a useful adjunct to oral rehydration therapy in the treatment of acute infectious diarrhoea in adults and children. A meta-analysis4 of studies of Lactobacillus therapy in children reached a similar conclusion. However, it was not possible to draw up definitive treatment guidelines because of a lack of standardisation in probiotic regimens, patient groups, or defini-tion of acute diarrhoea between the available studies.^{3,4} Metaanalyses5,6 and a systematic review7 of studies investigating the use of probiotics in the prevention of antibiotic-associated diarrhoea in adults⁵ and children⁵⁻⁷ also suggest a beneficial effect, although again, further clinical confirmation is required before they can be routinely recommended.⁵⁻⁷ A review⁸ of studies that looked specifically at treatment or prevention of Clostridium difficile-associated diarrhoea with the probiotics Lactobacillus rhamnosus GG and Saccharomyces boulardii concluded that while these specific probiotics might be useful in patients at risk of recurrent C. difficile infection, the potential risks of bacteraemia or fungaemia in this particular patient group might outweigh

Probiotics have been investigated to correct aberrant intestinal microflora associated with chronic inflammatory bowel disease and reviews of such studies suggest some benefit in the prevention and treatment of ulcerative colitis⁹⁻¹¹ and maintenance of remission in pouchitis, ¹⁰⁻¹² although the data are not so clear for Crohn's disease. ^{10,13} Larger controlled clinical studies, again with standardised probiotic preparations and treatment regimens, are necessary to establish the place of probiotics in the management of inflammatory bowel disease. 9-13 Probiotics do not appear to improve abdominal pain in patients with irritable bowel syndrome but they may reduce bloating.14

Probiotics given to preterm neonates of very low birth-weight reduced the incidence and severity of *necrotising enterocolitis* in 2 randomised controlled studies.^{15,16} A systematic review¹⁷ of these and other controlled studies reached the same conclusion, although the authors called for confirmation of these results by a larger study to strengthen the case for routine use of probiotics in

Probiotics have also been tried in constipation¹⁸ and infantile col-

- 1. Anonymous. Probiotics for gastrointestinal disorders. Drug Ther Bull 2004: 42: 85-8.
- Limdi JK, et al. Do probiotics have a therapeutic role in gastro-enterology? World J Gastroenterol 2006; 12: 5447–57.
- enterology; world 3 Gastroenterol 2000; 12: 544; 7-53. Allen SJ, et al. Probiotics for treating infectious diarrhoea. Available in The Cochrane Database of Systematic Reviews; Issue 4. Chichester: John Wiley; 2003 (accessed 11/02/08).

 4. Van Niel CW, et al. Lactobacillus therapy for acute infectious diarrhea in children: a meta-analysis. Pediatrics 2002; 109:
- D'Souza AL, et al. Probiotics in prevention of antibiotic associated diarrhoea: meta-analysis. BMJ 2002; 324: 1361–6.
- 6. Szajewska H, et al. Probiotics in the prevention of antibioticassociated diarrhea in children: a meta-analysis of randomized controlled trials. J Pediatr 2006; 149: 367-72.
- 7. Johnston BC, et al. Probiotics for the prevention of pediatric antibiotic-associated diarrhea. Available in The Cochrane Database of Systematic Reviews; Issue 2. Chichester: John Wiley; 2007 (accessed 11/02/08).
- Segarra-Newnham M. Probiotics for Clostridium difficile-associated diarrhea: focus on Lactobacillus rhamnosus GG and Saccharomyces boulardii. Ann Pharmacother 2007; 41: 1212–21.
- Bai A-P, Ouyang Q. Probiotics and inflammatory bowel diseases. Postgrad Med J 2006; 82: 376–82.
- 10. Ewaschuk JB, Dieleman LA, Probiotics and prebiotics in chronic inflammatory bowel diseases. World J Gastroenterol 2006; 12: 5941–50.
- 11. Chapman TM, et al. VSL#3 probiotic mixture: a review of its use in chronic inflammatory bowel diseases. Drugs 2006; 66:
- Sandborn W, et al. Pharmacotherapy for induction and mainte-nance of remission in pouchitis. Available in the Cochrane Da-tabase of Systematic Reviews; Issue 2. Chichester: John Wiley; 1998 (accessed 11/02/08).
- 13. Rolfe VE, et al. Probiotics for maintenance of remission in Crohn's disease. Available in the Cochrane Database of System atic Reviews; Issue 4. Chichester: John Wiley; 2006 (accessed 11/02/08).
- Bausserman M, Michail S. The use of *Lactobacillus* GG in irritable bowel syndrome in children: a double-blind randomized control trial. *J Pediatr* 2005; 147: 197–201.
- Bin-Nun A, et al. Oral probiotics prevent necrotizing enterocolitis in very low birth weight neonates. J Pediatr 2005; 147: 192 - 6
- 16. Lin H-C, et al. Oral probiotics reduce the incidence and severity of necrotizing enterocolitis in very low birth weight infants. Pediatrics 2005: 115: 1-4.
- 17. Deshpande G, et al. Probiotics for prevention of necrotising enterocolitis in preterm neonates with very low birthweight: a systematic review of randomised controlled trials. Lancet 2007;
- 18. Banaszkiewicz A. Szajewska H. Ineffectiveness of Lactobacil-Balaszkiewicz, A., Szajewska H. Inferiettveltes of Lactobactius GG as an adjunct to lactulose for the treatment of constipation in children: a double-blind, placebo-controlled randomized trial. J Pediatr 2005; 146: 364–9.
- Savino F, et al. Lactobacillus reuteri (American Type Culture Collection Strain 55730) versus simethicone in the treatment of infantile colic: a prospective randomized study. *Pediatrics* 2007; **119:** e124-e30. Available at: http:// pediatrics.aappublications.org/cgi/reprint/119/1/e124 (accessed 11/02/08)

UROGENITAL INFECTIONS. Probiotic preparations given orally or intravaginally are under investigation for the prevention or treatment of vaginal infections. Reviews of studies in vulvovaginal candidiasis1 and bacterial vaginosis2 concluded that while there was some indication of benefit, larger controlled studies are required to confirm efficacy and the place of probiotics in therapy. A systematic review³ confirmed that probiotics may be of benefit in the prevention and treatment of bacterial vaginosis in pregnancy but due to insufficient data it was not possible to assess the effect that this might have in preventing preterm labour. A review4 of studies investigating probiotics for the prevention of urinary-tract infections in women has suggested some benefit.

- 1. Falagas ME, et al. Probiotics for prevention of recurrent vulvovaginal candidiasis: a review. J Antimicrob Chemother 2006;
- Falagas ME, et al. Probiotics for the treatment of women with bacterial vaginosis. Clin Microbiol Infect 2007; 13: 657–64.
- Othman M, et al. Probiotics for preventing preterm labour Available in The Cochrane Database of Systematic Reviews; Issue 1. Chichester: John Wiley; 2007 (accessed 11/02/08).
- 4. Falagas ME, et al. Probiotics for prevention of recurrent urinary tract infections in women: a review of the evidence from microbiological and clinical studies. Drugs 2006; 66: 1253-61.

Proprietary Preparations (details are given in Part 3)

Arg.: Acidofilofago; Flevic; Floratil; Lactinex; Tropivag; Austral.: Bioglan Acidophilus; Bioglan Superdophilus; Forbiotic; ProTract; Austria: Antibiophilus; Bioflonin; Lactofit; Reflor; Symbioflor Enterococcus; Yomogi; Belgis: Enterol; Lactoe); Braz.: Flomicin; Floratil; Floren; Florent; Lactipan; Leiba; Repoflor; Canad.: Bacid; Lacidofil; Chile: Bio-Flora; Biolactus; Economotil; Repoflor; Canad.: Bacid; Lacidofli; Chile: Bio-Flora; Biolactus; Econormoti; Gastrofloral; Lacteol Forte†; Lactil; Perentery!; Perocur†; Cz.: Enterol; Santax S†; Solco-Trichovac†; Denm.: Paraghurt; Precosa; Fin.: Lactophilus; Lactophilus; Lactophilus; Lactophilus; Lactophilus; Lactophilus; Lactophilus; Lactophilus; Lactophilus; Prediction; Perenterol; Symbioflor | Vagiflor; Lactophilus; Palisis Mong; Bioflor; Lactophilus; Prenterol; Symbioflor | India: Cefocef-LB; Myconip; Sporlac; Indon.: Lactophilus; Symbioflor | India: Cefocef-LB; Myconip; Sporlac; Indon.: Lactop; Rillus; Ital: Bioflorin; Calagin; Codex, Dicoflor; Ecoflorin; Ferlactis†; Inulac, Lab/A†; Lactop; Lactonorm; Ramno-Flor†; Regolact Plus; Reuflor; Mex.: Horatil; Lacteol Fort; Lactopa; Lactovita; Liolactil; Neoflor; Sinuberase; NZ: Bis K12 Throat Guard; Philipp.: Inflorar; Pol.: Enterol; Lactovaghi; Lactophilus; Enterol; Lactovaghi; Lactophilus; Enterol; Lactophilus; Enterol; Lactophilus; Enterol; Lactophilus; Enterol; Lactophilus; Enterol; Lactophilus; Enterol; Prot.: Afficion; Intellora; Singapore: DiarrStope; Lactool; Prot. (MPC 19); S.Afr.: Actiflora; Intellora; Singapore: DiarrStope; Lactool; Prot. texin; Reutefene; **Spain:** Casenfilus; Lacteol; Lactofilus; Ultra-Levura; **Swed.:** Precosa; **Switz.:** Bioflorin; Fiormil†; Florosan; Lacteol†; Lactoferment; Perenterol; SolcoTrichovac Lyophilisat; Ultra-Levure; Ventrux†; **Thai.:** Lacbon†; Lacteol†; **Turk.:** Reflor; **UK:** Bio Acidophilus; Biodophilus; Gum PerioBalance; Infacol Probiotic; **USA:** Acidophilus; Bacid; Florastor; Intestinex; Kala; Lactinex; Lacto-Key; MoreDophilus; Pro-Bionate; Superdophilus; Venez.: Florcidin; Florestor; Lacteol; Lactobacilos; Liolactil; Proflor.

Multi-ingredient: Arg.: Bioflora; Biol Preo; Factor Bioenterico; Faelac†; Niiflux; Totalflora; Tropivag Plus; Austral.: Acidophilus Bifidus; Acidophilus Plus; Cyto-Bifidus; Austria: Gynoflor; Hylak; Hylak Forte; Infloran; Omniflo-Plus; Cyto-Billicus; **Austria**: Cynolicir; Hylak; Hylak Forte; Initioran; Umnilio-ra; Prosymbiolior†; Trevis; **Belga**: Carbolactanose; Gynoflor; **Canda**: Fer-malac Vaginal; **Chile**: Bion 3; **Cz.:** Fermalac Vaginal; Gynoflor; Hylak Forte; Inudon; IRS 19†; Lacidofli; Solco-Urovac†; **fr.:** Actyfilus; Biolactyf; Biotravel; Ergyphilus; Estrofort; Florgynal; Imgalt; Imudon†; IRS 19†; Maxi-Flore; Ophidus; Probionat; Triphidus; Trophigl; Ultrabiotique; **Ger.:** Antiprurit†; Gynoflor; InfectoDiarrstop LGG; IRS 19; Omniflora N; Perison; Pro-Symbi-Ophidus, Probionat; Triphidus; Trophigil; Ultrabiotique; Ger.: Antiprurit; Gynoflor; InfectoDiarrstop LGG; IRS 19; Ornniflora N; Perison; Pro-Symbioflor; StroVac, Hong Kong: Infloran; Lacspan; Protexin Balance; Protexin, Balance; Protexin, Balance; Protexin, Balance; Protexin, Symbox, Protexin, Symbox, Protexin, Symbox, Protexin, Symbox, Balance; Bidiact, Bidi

Promelase (bINN)

Promelasa; Promélase; Promelasum; Seaprose S.

Промелаза

CAS - 9074-07-1.

Profile

Promelase is an alkaline protease derived from Aspergillus melleus. It has been taken by mouth in doses of 30 to 90 mg daily for its supposed benefit in oedema and inflammation associated with trauma, infection, and surgical procedures.

Preparations

Proprietary Preparations (details are given in Part 3) Ital.: Altan; Flaminase; Mezen†; Port.: Onoprose†; Thai.: Korynase†.

Pronase

Profile

Pronase is a mixture of proteinases obtained from Streptomyces griseus.

Preparations

Proprietary Preparations (details are given in Part 3) Jpn: Empynas

Propolis

Bee Glue; Propóleo; Própolis.

Прополис

Profile

Propolis is a resinous substance collected by bees, primarily, at least in temperate climates, from poplar buds (see also p.2371) and to a lesser extent from conifers. It is mixed with wax by bees and used in the construction and maintenance of their hives. Propolis is composed of resins, balsams, essential and aromatic oils, and pollen, although the exact proportions of each varies from region to region, bee species, and local flora, therefore making standardisation of propolis for medicinal use difficult. Propolis has been reported to have anti-inflammatory and antimicrobial properties. It has been used as a nutritional supplement and in preparations for coughs, mouth disorders, and skin disorders. It has been used as an ointment for the relief of symptoms of herpes labialis. Propolis has also been used in cosmetics and varnishes

Hypersensitivity reactions have been reported.

♦ For reference to hypersensitivity reactions with bee products, including propolis, see under Royal Jelly, p.2382.

Further references to propolis are given below.

- Grange JM, Davey RW. Antibacterial properties of propolis (bee glue). J R Soc Med 1990; 83: 159–60.
- Krol W, et al. Synergistic effect of ethanolic extract of propolis and antibiotics on the growth of Staphylococcus aureus. Arznei-mittelforschung 1993; 43: 607–9.
- 3. Volpert R, Elstner EF. Interactions of different extracts of propolis with leukocytes and leukocytic enzymes. Arzneimittelforsc
- Murray MC, et al. A study to investigate the effect of a propolis-containing mouthrinse on the inhibition of de novo plaque for-mation. J Clin Periodontol 1997; 24: 796–8.