

## Preparations

### Proprietary Preparations (details are given in Part 3)

**Cz.:** Soledum†; **Ger.:** Soledum; Soledum Balsam; **Ital.:** Fluirespir†.

**Multi-ingredient:** **Arg.:** Aseptobron; Aseptobron Ampicilina†; Aseptobron N; Atomo Desinflamante; Atomo Desinflamante Familiar; Atomo Desinflamante G; Bano Liquido con Eucalypto†; Bronco Etersan; Di-Neu-mobron; Listerine Clasico; Listerine Cool Mint; Listerine Fresh Burst; No-Tos Adultos; Otorinolazol†; Referax Caramelos Expectoantes; **Austral.:** Boscito's Vapourising Ointment; Euky Bearub; Methyl Salicylate Ointment Compound†; Nasex; Spray-Tish Menthol; Tixylx Chest Rub†; Vasylox†; Vicks Sinex; **Austria:** Rhinospray Plus; Rowachol; Rowatnex; Wick Sinex; **Belg.:** Balsolase Expectoans; Eucalyptine; Eucalyptine Le Bruck†; Eucalyptine Pholcodine; Eucalyptine Pholcodine Le Brun†; Inhalene†; Inhalo Rhinathiol; Inopectol; Olbas; Pulmex; Pulmex Baby; **Braz.:** Algice; Angino-Rub; Baldin-CE†; Bromil; Broncopinol†; Canfomenol†; Eucalptan†; Fluomint; Gargot-an†; Gripanil†; Griptomatine†; Griponia†; Gripsay; Inhadrina†; Inhalante Ya-tropian; Killgrip†; Mentalol†; Ozonyl; Ozonyl Aquoso; Ozonyl Expectoante; Pastilhas Valda; Pectal†; Penetro; Quelodin†; Tabletes Valda†; Tetrapulmo; Transpulmin; Transpulmin Balsamo; Transpulmin†; Tripulmin Balsamico†; Tripulmin†; Valda†; Visk Pastilhas; **Canada:** Alsirub†; Antiseptic Mouthwash; Arthriflex; Cal Mo Dol; Carboseptol†; Demo-Cineol; Listerine; Listerine Antiseptic Tartar Control; Mielocil; Mouthwash Antiseptic & Gargle†; Physio-Rub; Thermo Rub; Valda; **Chile:** Listerine; Oralfresh Citrus; Oralfresh Clasico; Rowatnex; **Cz.:** Biocalyptol S†; Rowachol; Rowatnex; **Denn.:** Otrivin Menthol; **Fin.:** Otrivin Menthol; **Fr.:** Biolar; Dinacode avec codeine†; Dinacode†; Essence Algerienne; Eucalyptine; Eucalyptine Le Brun; Hexap-neurine; Listerine; Listerine protection dents et gencives; Neo-Codion†; Pectodermet†; Pholcones Bismuth; Pulmo fluoride Simple; Valda; Vegeborn; **Ger.:** Eufmenth-Balsam N†; Rhinospray Plus; Rhinospray sensitiv; Rowachol; Rowachol comp†; Rowachol-Digestiv; Rowatnex; Transpulmin Balsam; **Gr.:** Cedovix; Faragel-Forte; **Hong Kong:** Biocalyptol†; Cool Mint Listerine; Listerine; Listerine Tartar Control; Listerine Teeth and Gum Defence; Neo-Rowachol; Neo-Rowatnex; Rowachol; Rowatnex; Valda†; **Hung.:** Rhinospray Plus; Rowachol; Rowatnex; **India:** Dristan Nasal Drops; Endrine; Endrine Mild; Karvol Plus; Sinarest Vapocaps; **Indon.:** Dactylen; Listerine; Listerine Coolmint; **Irl.:** Rowachol; Rowatnex; Valda†; **Israel:** Gargol; Rowachol; Rowatnex; **Ital.:** Abiostil; Balsamico; Batta Intimo†; Calyptol; Lipobalsamo; Listerine Fresh Citrus; Listerine Tartar Control; Padorinovit; Pastiglie Valda†; Pulmanin; Pumlene Vapo; Ringott Eucalypto-Fher; Rinovit; Transpulmina Gola; Transpulmina Tosse; Vicks Baby Balsam†; Vicks Sinex; **Malaysia:** Listerine†; Purporet†; Rowachol; Rowatnex; **Mex.:** Andocicli-na Balsamica†; Bronkitose Mielimom; Cholex; Eucalin†; Guayalin; Guayalin-Plus†; Iodex Cristal; Listerine; Numonyl†; **Neth.:** Balsolase Compositum; Balsolase-E; Otrivin Menthol; Rhinospray met menthol; **NZ:** Listerine; Listerine Tartar Control; Tixylx; Chest Rub; Vicks Sinex; **Philipp.:** Kamillosan M; Listerine Coolmint; Listerine Fresh Citrus; Listerine Freshburst; Listerine Original; Listerine Tartar Control; Listerine Teeth & Gum Defense; Rhea Super-scent Oil; Rowachol; Rowatnex; Transpulmin Balsam; **Pol.:** Rowachol; Rowatnex; Salvasept; Terpichol; **Port.:** Listerine†; Rectopulmo Adultos†; Rectopulmo Infantil†; Transpulmina; Valda†; **Rus.:** Nazol Advance (Назол Адванс); **S.Afr.:** Respi-sniffers; Woodward's Inhalant; **Singapore:** Listerine; Listerine Cool Mint; Listerine Fresh Burst; Listerine Tartar Control; **Spain:** Balsamo Kneipp†; Broncovital†; Breta Rectal Balsamico; Caltoso Balsamico; Caramelos Agua del Carmen†; Diminex Antitusigeno; Doctom-itil†; Dolmilin; Eucalyptospirine†; Eupnol; Mentobox; Pastillas Juanola†; Pastillas Pectoral Kely; Pioris; Pulmo-fasa; Retarpen Balsamico†; Rinobanedit; Rowachol; Rowanefrin; Sinus Inhalaciones; Tifell†; Trophires†; Vitavox Pastillas†; **Swed.:** Otrivin Menthol; **Switz.:** Nasobol N; Neo-Bronchol; Onguent aux herbes Keller; Rectoseptal-Neo bismuth; Rectoseptal-Neo simple; Resorbane; Rowachol; Sedasept†; Sedotussin†; Transpulmin N; Vicks Sinex; **Thai.:** Dexalin; Hot Ize; Olympic Balm†; Rowachol; Rowatnex; Sore Mouth Gel; **Turk.:** Bugumentol; Bugusan; Buguseptil; Gelocaps; Mentimol; Mentolin; Mentoseptol; Otaci Oka Mentol; Otaci Salvia; Rinolar; Sul-farhin; **UK:** Dubam; Listerine Antiseptic Mouthwash; Locketts; Nostroline; Nowax; Rowachol; **USA:** Babes; BFI; Listerine; Pfeiffer's Cold Sore; Rid-a-Pain; Saratoga; Sting-Eze; **Venez.:** Derpinol†; Robitussin Caramelos†; Rowachol; Rowatnex; Transmin.

### Cinnamedrine (USAN, rINN) ⊗

Cinnamedrina; Cinnamedrine; Cinnamedrinum; N-Cinnamylephedrine.  $\alpha$ -{1-[Methyl(3-phenyl-2-propenyl)amino]ethyl}benzenemethanol.

Циннамедрин

$C_{19}H_{23}NO = 281.4$ .  
CAS — 90-86-8.

### Cinnamedrine Hydrochloride (rINN) ⊗

Cinnamedrine, Chlorhydrate de; Cinnamedrini Hydrochloridum; N-Cinnamylephedrine Hydrochloride; Hidrocloruro de ciname-drina.

Циннамедрина Гидрохлорида

$C_{19}H_{23}NO.HCl = 317.9$ .

### Profile

Cinnamedrine hydrochloride is reported to have sympathomimetic actions resembling those of ephedrine. It was formerly used with analgesics in the symptomatic relief of dysmenorrhoea.

### Preparations

**Proprietary Preparations** (details are given in Part 3)

**Multi-ingredient:** **Chile:** Tapal-2†.

## Cinnamon

Canela; Canela do Ceilão; Cannelle dite de ceylan; Ceylon Cinnamon; Ceylonzimt; Cinnamon živč; Cinnam; Cinnamomi cortex; Cinnamon Bark; Fahéj; Kanel; Kaneli; Skořicovníková kůra; Zimt.

**Pharmacopoeias.** In *Eur.* (see p.vii).

**Ph. Eur. 6.2** (Cinnamon). The dried bark of the shoots of copied trees of *Cinnamomum zeylanicum* containing not less than

1.2% w/w of essential oil. It has a characteristic, aromatic odour. Protect from light.

The BP 2008 directs that when Powdered Cinnamon is prescribed or demanded, material containing not less than 1.0% w/w of essential oil shall be dispensed or supplied.

### Profile

Cinnamon is carminative and slightly astringent and is included in some preparations for gastrointestinal disorders. It is also used as a flavour. It is a source of cinnamoin oil (below).

### Preparations

**Ph. Eur.:** Cinnamon Tincture;

**USNF 26:** Compound Cardamom Tincture.

**Proprietary Preparations** (details are given in Part 3)

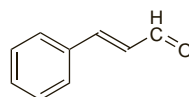
**Multi-ingredient:** **Austria:** Brady's-Magentropfen; China-Eisenwein; Marazeller; Montana; **Braz.:** Balsamo Branco; Paratonico; **Cz.:** Blahungstee N†; Dr Theiss Rheuma Creme†; Dr Theiss Schwedenbitter; Klosterfrau Melisana; Magen- und Darmtee N†; Passedan; **Fr.:** Elixir Grez†; Quintonine; **Ger.:** Amara-Pascoe; Doppelherz Melissegeist†; Gastrosecur†; Majocarmin forte†; Melissegeist; Montana N; Schwedentrunk Elixier; Sedovent; **India:** Cinnamon; **Israel:** Davilla; **Ital.:** Assenzio (Specie Composta)†; Bi-ophase Shampoo; Dam; **Jpn.:** The Guard Seichojo; **Pol.:** Reumpara; **Rus.:** Doppelherz Melissa (Доппельгерц Мелисса); Himcolin (Химколин); **S.Afr.:** Melissegeist; Roovalental; Spiritus Contra Tussim Drops; **Spain:** Agua del Carmen; Vigortonic; **Switz.:** Alcoolat de Melisse†; Baume†; Odontal; Tisane pour les problemes de prostate; **Thai.:** Carmicide†; Mel-oids; **UK:** Melissa Comp.; **Venez.:** Aftil.

## Cinnamon Oil

Aetheroleum Cinnamomi Zeylanici; Canela, aceite esencial de; Cinnam. Oil; Esencia de Canela; Essence de Cannelle de Ceylan; Oleum Cinnamomi; Zimtol.

Кориичное Масло

CAS — 8015-91-6.



(cinnamaldehyde)

**Pharmacopoeias.** *Eur.* (see p.vii) includes oil from both the bark and the leaf of *Cinnamomum zeylanicum* (*C. verum*).

Cinnamon oil is also used as the name for cassia oil in some countries. For example, *Jpn* under the title Cinnamon Oil specifies oil from either *Cinnamomum cassia* or *Cinnamomum zeylanicum*.

### Cinnamon Bark Oil

Cannelle dite de ceylan, huile essentielle de; Ceiloniñiy cinamonu žievčs eterinis aliejus; Ceylon Cinnamon Bark Oil; Ceyloni fahéjafakéreg-olaj; Cinnamomi zeylanici corticis aetheroleum; Cinnamomi Zeylanicii Corticis Aetheroleum; Kaneliöljy; Ceylon-in; Kanelolja, ceylonesisk; Silice kury skořicovníku cejlonského.

Кориичное Масло Из Кору

**Pharmacopoeias.** In *Eur.* (see p.vii) and *Jpn*.

**Ph. Eur. 6.2** (Cinnamon Bark Oil, Ceylon). The oil obtained by steam distillation of the bark of the shoots of *C. zeylanicum* (*C. verum*). It contains 55 to 75% of cinnamaldehyde and less than 7.5% of eugenol. A clear, mobile, light yellow liquid becoming reddish over time, with a characteristic odour of cinnamaldehyde. Store in well-filled airtight containers. Protect from light and heat.

### Cinnamon Leaf Oil

Cannelier dit de ceylan (feuille de), huile essentielle de; Ceiloniñiy cinamonu lapu eterinis aliejus; Ceyloni fahéjafalevel-olaj; Cinnamomi zeylanici folii aetheroleum; Cinnamomi Zeylanici Folii Etheroleum; Kanelbladolja, ceylonesisk; Kanelinlehtiöljy; Ceylonin; Ol. Cinnam. Fol; Silice listu skořicovníku cejlonského.

Кориичное Масло Из Листьев

**Pharmacopoeias.** In *Eur.* (see p.vii).

**Ph. Eur. 6.2** (Cinnamon Leaf Oil, Ceylon). The oil obtained by steam distillation of the leaves of *C. zeylanicum* (*C. verum*). It contains less than 3% of cinnamaldehyde, and 70 to 85% of eugenol. A clear, mobile, reddish brown to dark brown liquid, with a characteristic odour of eugenol. Store in well-filled airtight containers. Protect from light and heat.

### Profile

Cinnamon bark oil has properties and uses similar to those of cinnamon (above). It is also included in preparations for musculoskeletal and joint disorders and for respiratory-tract disorders. There have been a number of reports of hypersensitivity to cinnamaldehyde and other constituents of cinnamon oil. Cinnamon leaf oil has also been used, although the amounts of eugenol and cinnamaldehyde are different from the bark oil. Cinnamon bark or leaf oil is also used in aromatherapy.

## Preparations

**BP 2008:** Aromatic Cardamom Tincture; Compound Cardamom Tincture; Concentrated Cinnamon Water; Tolu-flavour Solution.

**Proprietary Preparations** (details are given in Part 3)

**Multi-ingredient:** **Austral.:** Gartech; **Austria:** Tiger Balsam Rot; **Braz.:** Ovarisedan†; **Canada:** Tiger Balm Red; Tiger Balm Ultra; **Chile:** Agua del Carmen; Agua Melissa Carminativa; **Cz.:** Amol; Tiger Balm Rot†; **Fr.:** Aromasol; Gouttes aux Essences; Resistim; Stomargil; Tigridol; **Ger.:** Amol Heilkräutergeist N; esto-gast; Melissegeist; Salviathymol N; **Gr.:** Tiger Balm; **Hong Kong:** Magesto; **Hung.:** Fagilor†; **India:** Bestozyme; Catazyme-P; Digeplex; Sensur; Vitazyme; **Indon.:** Corsabalm; **Israel:** Karvol; **Ital.:** Relaxcol; Valda Propoli; **NZ:** Karvol; **Pol.:** Amol; Argol Essenza Balsamica; Argol Grip; Argol Rheuma; Aromatol; Carmolis; **Rus.:** Efcamon (Эфкамон); **S.Afr.:** Enterodyne; Karvol; **Singapore:** Karvol; **Spain:** Depurativo Richelet; **Switz.:** Baume de Chine Temple of Heaven blanc; Carmol; Piroim; Sansilla; Spagyrom; **Thai.:** Magesto; Mesto-Of; **UK:** Slippery Elm Stomach Tablets.

## Citicoline (pINN)

CDP-Choline; Citicolina; Citicolinum; Citidoline; Cytidine Diphosphate Choline; Cytidine diphosphocholine; IP-302. Choline cytidine-5'-pyrophosphate.

ЦИТИКОЛИН

$C_{14}H_{26}N_4O_{11}P_2 = 488.3$ .

CAS — 987-78-0.

ATC — N06BX06.

ATC Vet — QN06BX06.

## Citicoline Sodium (USAN, pINN)

Citicolina sódica; Citicoline Sodique; Natrii Citicolinum. Cytidine 5'-{sodium P-[2-(trimethylammonio)-ethyl] hydrogen diphosphate}, inner salt.

Натрий Цициколин

$C_{14}H_{25}N_4NaO_{11}P_2 = 510.3$ .

CAS — 33818-15-4.

**Pharmacopoeias.** In *Chin.*

### Profile

Citicoline is a derivative of choline and cytidine that is involved in the biosynthesis of lecithin. It is claimed to increase blood flow and oxygen consumption in the brain and has been given in the treatment of cerebrovascular disorders (including ischaemic stroke, p.1185), parkinsonism, and head injury. It is given by intravenous or intramuscular injection in doses of up to 1 g daily or orally in divided doses of 200 to 600 mg daily.

Citicoline sodium has also been used.

**Cerebrovascular disorders.** Citicoline has shown some short- to medium-term benefit for disturbances of memory and behaviour associated with cerebrovascular disorders.<sup>1</sup>

1. Fioravanti M, Yanagi M. Cytidinediphosphocholine (CDP choline) for cognitive and behavioural disturbances associated with chronic cerebral disorders in the elderly. Available in The Cochrane Database of Systematic Reviews; Issue 2. Chichester: John Wiley; 2005 (accessed 09/05/06).

**Strabismus.** Experimental studies have shown that centrally-acting drugs such as citicoline may improve vision in patients with amblyopia (see Strabismus, p.1874). However, their role in clinical practice remains to be established.<sup>1</sup>

1. Chazistefanou KI, Mills MD. The role of drug treatment in children with strabismus and amblyopia. *Paediatr Drugs* 2000; 2: 91-100.

### Preparations

**Proprietary Preparations** (details are given in Part 3)

**Arg.:** Complegel Novo; Neuriclor†; Nimo-Somazina; Reagin; Somazina; **Austria:** Startonyl; **Braz.:** Somazina; **Chile:** Somazina; **Fr.:** Rexort†; **Indon.:** Brainact; Bralin; Cibren; Lanclin; Neulin; Nicholin; Soholin; Takelin; **Ital.:** Brassel; Cebrotan; Cidlin; Citifar†; Citon†; Difosfocin; Flussorex; Gerolin; Kemodyn†; Link†; Logan; Neurex; Neuroton; Nicholin; Nicolsint; Sinkron; Sintoclar; **Jpn.:** Nicholin; **Mex.:** Onquevit; Somazina; **Philipp.:** Nicholin; Somazina; **Port.:** Hipercol; Somazina; Startonyl; Trausan; **Spain:** Numatol; Somazina; **Thai.:** Somazina; **Venez.:** Somazina.

**Multi-ingredient:** **Arg.:** Neuridor Vascular†; Nimodiat Plus; Nimoreagin; Nivas Plus; Reagin Vascular.

## Citilone (rINN)

BO-714; Citilona; Citilonum. N-(Perhydro-2-oxo-3-thienyl)acetamide.

ЦИТИОЛОН

$C_6H_9NO_2S = 159.2$ .

CAS — 1195-16-0.

ATC — A05BA04.

ATC Vet — QA05BA04.

