

Medications for Hypothyroidism

Some of the Patient Information Leaflets (PIL's) have been obtained from the MHRA website: <https://tinyurl.com/vwh739r>

Drugs can be manufactured by one company but distributed by another company, which means the name on the package might not be the same as the PIL information. The information below will state when a medication is the same product from different companies (e.g. Northstar distribute a Teva 25mcg tablet and Accord own Actavis and Almus). This can be confusing but if you note down the ingredients for the product that suits you, you will always know which generic (non-branded) is best for you.

Be aware that we have received feedback from people who are finding they have adverse reactions when they are given a different brand of levothyroxine. We are also aware of at least two countries (France and New Zealand) where, as a result of pressure from thyroid patients and support organisations, the prescribing of specific brands has been stopped.

On checking it seems that lactose has been replaced by mannitol in some brands and it appears that this may be what is causing the adverse reactions in some people.

If this happens to you, check first to see whether the ingredients in the new brand are different to your previous brand. If so, ask your pharmacy to give you your usual brand and see if this helps.

If the new brand causes adverse reactions and it contains mannitol, then please fill out an MHRA (The Medicines and Healthcare products Regulatory Agency) Yellow Card as this informs the MHRA of any adverse effects in medications. If they receive a lot about one particular medication, they will investigate.

You can find more information about the MHRA Yellow Card Scheme here:

<https://thyroiduk.org/yellow-card-scheme/>

Levothyroxine

Product Name	Eltroxin (Advanz) - 25mcg, 50mcg, 100mcg Tablets
Email	advanzpharma.com/contact
Ingredients	Anhydrous levothyroxine sodium, sodium citrate, lactose, maize starch, powdered acacia, magnesium stearate
PIL	25mcg: https://tinyurl.com/svyqwcs 50 & 100 mcg: https://tinyurl.com/wvydd3y

Product Name	Levothyroxine (Advanz) - 25mcg, 50mcg, 100mcg Tablets
Email	advanzpharma.com/contact
Ingredients	Anhydrous levothyroxine sodium, sodium citrate, lactose, maize starch, powdered acacia, magnesium stearate
PIL	25mcg: https://tinyurl.com/svyqwcs 50 & 100mcg: https://tinyurl.com/wyym2kq

Product Name	Levothyroxine (Actavis/Accord) - 50mcg, 100mcg Tablets
Email	medinfo@accord-healthcare.com
Ingredients	Anhydrous levothyroxine sodium, lactose, magnesium stearate, maize starch, pregelatinised maize starch, stearic acid
Comments	Exactly the same product as Almus and Northstar generic licence tablet numbers: 50mcg: 0142/0104 and 100mcg: 0142/0105
PIL	https://www.medicines.org.uk/emc/files/pil.5805.pdf

Product Name	Levothyroxine (Almus/Accord) - 50mcg, 100mcg Tablets
Email	medinfo@accord-healthcare.com
Ingredients	Anhydrous levothyroxine sodium, lactose, magnesium stearate, maize starch, pregelatinised maize starch, stearic acid
Comments	Exactly same product as Actavis and Northstar 50mcg &100mcg
PIL	https://www.medicines.org.uk/emc/files/pil.5805.pdf

Product Name	Levothyroxine (Northstar/Accord) - 50mcg, 100mcg Tablets
Email	medinfo@accord-healthcare.com
Ingredients	Anhydrous levothyroxine sodium, lactose, magnesium stearate, maize starch, stearic acid, pregelatinised maize starch
Comments	Exactly same product as Actavis and Almus 50mcg & 100mcg
PIL	https://www.medicines.org.uk/emc/files/pil.5805.pdf

Product Name	Levothyroxine (Northstar/Teva) - 25mcg Tablets
Email	medinfo@tevauk.com
Ingredients	Levothyroxine sodium, maize starch, mannitol (E421), microcrystalline cellulose, sodium citrate, acacia, magnesium stearate
Comments	Exactly same product as Teva 25mcg
PIL	https://tinyurl.com/upaejp3

Product Name	Levothyroxine (Teva) - 12.5mcg, 25mcg 50mcg, 75mcg, 100mcg Tablets (Lactose Free)
Email	medinfo@tevauk.com
Ingredients	Levothyroxine sodium, maize starch, mannitol (E421), microcrystalline cellulose, sodium citrate, acacia, magnesium stearate
Comments	25mcg is exactly same product as Northstar 25mcg
PIL	https://tinyurl.com/upaejp3

Product Name	Levothyroxine (Wockhardt) - 25mcg Tablets
Email	Drug.Safety@wockhardt.co.uk
Ingredients	Levothyroxine sodium, lactose, sucrose (fine powder), maize starch, magnesium stearate
PIL	https://tinyurl.com/vaw45wc

Product Name	Levothyroxine (Aristo) - 100mcg Tablets (Lactose Free)
Email	info@aristo-pharma.de
Ingredients	Anhydrous levothyroxine sodium, microcrystalline cellulose, maize starch, heavy magnesium oxide, sodium starch glycolate type A, magnesium stearate
PIL	https://tinyurl.com/wyhg8pr

Levothyroxine Oral Solutions

Product Name	Eltroxin Oral Solution (Advanz) - 25mcg, 50mcg, 100mcg per 5ml (Lactose Free)
Email	advanzpharma.com/contact
Website	https://www.advanzpharma.com/
Ingredients	Levothyroxine sodium (each 5ml of oral solution contains levothyroxine equivalent to levothyroxine sodium anhydrous 25mcg, 50mcg or 100mcg) glycerol, citric acid monohydrate, sodium methyl parahydroxybenzoate (E219), sodium hydroxide, purified water
PIL	https://tinyurl.com/wk4x8uw

Product Name	Levothyroxine Oral Solution (Advanz) - 25 mcg, 50mcg, 100mcg per 5 ml (Lactose Free)
Email	advanzpharma.com/contact
Ingredients	Levothyroxine sodium (each 5ml of oral solution contains levothyroxine equivalent to levothyroxine sodium anhydrous 25mcg, 50mcg or 100mcg), glycerol, citric acid monohydrate, sodium methyl parahydroxybenzoate (E219), sodium hydroxide, purified water
PIL	https://tinyurl.com/wk4x8uw

Product Name	Levothyroxine Oral Solution (Creo) - 25mcg, 50mcg, 100mcg, 125mcg per 5ml (Lactose Free)
Email	pv@creopharma.com
Ingredients	Levothyroxine sodium (each 5ml of oral solution contains levothyroxine equivalent to levothyroxine sodium anhydrous 25mcg, 50mcg, 100mcg or 125mcg), glycerol, citric acid anhydrous, sodium methyl parahydroxybenzoate (E219), citric acid 10%, purified wáter
PIL	https://www.medicines.org.uk/emc/files/pil.10313.pdf

Product Name	Levothyroxine Oral Solution (Teva) – 25mcg, 50mcg, 100mcg per 5ml (Lactose Free +)
Email	medinfo@tevauk.com
Ingredients	Levothyroxine sodium (each 5ml of oral solution contains levothyroxine equivalent to levothyroxine sodium anhydrous 25mcg, 50mcg or 100mcg), glycerol, citric acid monohydrate, sodium methyl parahydroxybenzoate (E219), sodium hydroxide, purified water
PIL	https://tinyurl.com/tmqg3aa

Product Name	Levothyroxine Oral Solution (Ten Pharma) - 25 mcg, 50mcg, 100mcg per 5 ml (Lactose Free)
Email	medicalinformation@jensongroup.com
Ingredients	Levothyroxine sodium (each 5 ml of oral solution contains levothyroxine equivalent to levothyroxine sodium 25mcg, 50mcg or 100mcg), glycerol, citric acid monohydrate, sodium methyl parahydroxybenzoate (E219), sodium propyl parahydroxybenzoate (E217), purified wáter
PIL	25mcg: https://tinyurl.com/vxbxfv6 50mcg: https://tinyurl.com/rxqjllc 100mcg: https://tinyurl.com/ww8tk32

Product Name	Levothyroxine Oral Solution (Wockhardt) - 25mcg, 50 mcg, 100mcg per 5ml (Lactose Free)
Email	Drug.Safety@wockhardt.co.uk
Ingredients	Levothyroxine sodium (each 5ml of oral solution contains levothyroxine equivalent to levothyroxine sodium 25mcg, 50mcg or 100mcg), citric acid monohydrate, sodium methyl parahydroxybenzoate (E219), sodium propyl parahydroxybenzoate, propylene glycol, maltitol liquid, sodium hydroxide, hydrochloric acid, sodium hydroxide, purified wáter
PIL	https://tinyurl.com/vsleb8d

Product Name	Ethypharm Compounded Levothyroxine - Oral Suspension - various strengths and bottle sizes (Lactose Free)
Email	connect@ethypharm.com
Ingredients	Levothyroxine sodium, mannitol, xanthan gum, parabens, sorbitol syrup, saccharin sodium, ethanol, sterile water
Notes	Doctor must write on the prescription the strength, quantity and which filler. Pharmacist must hold an account with Ethypharm.

Product Name	Ethypharm Compounded Levothyroxine - Capsules – various strengths and pack sizes (Lactose Free +)
Email	connect@ethypharm.com
Ingredients	Levothyroxine sodium plus one filler (see below) – filler should be discussed with your doctor.
Notes	All the capsules are gelatin capsules and may contain a variety of fillers (see below) although they may not all be available.
	<ul style="list-style-type: none"> • mannitol • calcium phosphate • calcium carbonate
	<ul style="list-style-type: none"> • lactose • avicel cellulose • calcium carbonate
	Doctor must write on the prescription the strength, quantity and which filler. Pharmacist must hold an account with Ethypharm.

Product Name	Roseway Compounded Levothyroxine Thyroid Suspension (Lactose Free)
Email	info@rosewaylabs.com
Ingredients	Levothyroxine, almond oil, silica gel, cellulose, vitamin E acetate
Notes	A prescription medication that must state strength per ml of T4. 30mls of medication will have the required dosage calibrated to a 1ml dose. The shelf life is 30 days and the medication does not need to be refrigerated

European Levothyroxine (not licensed in the UK)

Product Name	L-Thyroxin (ALIUD[®] PHARMA) - 50mcg, 100mcg Tablets (Lactose Free)
Email	info@aliud.de
Ingredients	Anhydrous levothyroxine sodium (each tablet contains either 50mcg or 100mcg of levothyroxine sodium), microcrystalline cellulose, magnesium stearate (vegetable origin), colloidal silicon dioxide, pre-gelatinised starch (from maize), talcum
Notes	Obtainable by pharmacists holding an account with IDIS. PIL inside the box will be in German

Product Name	L-Thyroxin, Henning (Sanofi-Aventis) - various strengths from 25mcg - 200mcg Tablets (Lactose Free)
Email	medinfo.de@sanofi.com
Ingredients	Levothyroxine sodium, corn starch, pre-gelatinised starch (maize), microcrystalline cellulose, sodium carbonate, sodium thiosulphate (Ph. Eur.), highly dispersed silica, hydrogenated castor oil
Notes	This product is produced by the German branch but the UK company is very helpful (Tel: 01483 505515)
PIL	https://tinyurl.com/wfpbqz9 (in German)

Product Name	Euthyrox (Merck) - 25mcg, 50mcg, 75mcg, 88 mcg, 100mcg, 112mcg, 125mcg, 137mcg, 150mcg, 175mcg, 200mcg Tablets (Lactose Free)
Email	medical.info.nl@merckgroup.com
Ingredients	Levothyroxine sodium, citric acid anhydrous, corn starch, gelatin, magnesium stearate, mannitol, sodium croscarmellose
PIL	https://www.drugs.com/pro/euthyrox.html

American Levothyroxine (not licensed in the UK)

Product Name	Levothyroxine (Unithroid) - various strengths between 25mcg - 300mcg Tablets
Email	inquiries@jeromestevens.com Distributor: info@gemini-labs.com
Ingredients	Levothyroxine sodium, synthetic crystalline L-3,3 ¹ ,5,5 ¹ - tetraiodothyronine sodium salt [levothyroxine (T ₄) sodium], colloidal silicon dioxide, lactose, magnesium stearate, microcrystalline cellulose, corn starch, acacia, sodium starch glycolate (See PIL for colouring information)
PIL	https://tinyurl.com/uqj4f9y

Product Name	Levothyroxine (Synthroid) - various strengths between 25mcg - 300mcg Tablets
Email	Contact form only on website
Website	https://www.synthroid.com/
Ingredients	Synthetic crystalline L-3,3',5,5'- tetraiodothyronine sodium salt [levothyroxine (T ₄) sodium], acacia, confectioner's sugar (contains corn starch), lactose monohydrate, magnesium stearate, povidone, talc (See PIL for colouring information)
PIL	http://www.rxabbvie.com/pdf/synthroid.pdf

Product Name	Levothyroxine (Tirosint) – various strengths from 13mcg - 200mcg Gel Capsules (Lactose Free)
Email	info@akrimax.com
Ingredients	Levothyroxine sodium, gelatin, glycerin, water
PIL	https://tinyurl.com/rgrj9p3

Product Name	Levothyroxine (Mylan) - various strengths between 25mcg - 300mcg Tablets (Lactose Free)
Email	mguk_customer.services@mylan.co.uk
Ingredients	Levothyroxine sodium, butylated hydroxyanisole, silicon dioxide, crospovidone, magnesium stearate, mannitol, microcrystalline cellulose, povidone, sodium lauryl sulfate, sucrose
PIL	https://tinyurl.com/ula33fc

UK T3 (Liothyronine) Replacements

The half-life of T3 is one to two days, so you would get the maximum benefit of this after two to three days and the duration of effectiveness is up to three days after stopping T3.

Product Name	Liothyronine (Tertroxin) (Advanz) - 20mcg Tablets
Email	medicalinformation@advanzpharma.com
Ingredients	Liothyronine sodium, lactose, maize starch, acacia powder, sodium chloride, magnesium stearate, industrial methylated spirit, purified water
Comments	This only comes in 20mcg tablets, which generally need to be cut in half or quartered for use with thyroxine
PIL	https://tinyurl.com/s6dzo32

Product Name	Roseway Compounded Liothyronine Thyroid Suspension (Lactose Free)
Email	info@rosewaylabs.com
Ingredients	Liothyronine, almond oil, silica gel, cellulose, vitamin E acetate
Notes	A prescription medication that must state strength per ml of T3. 30mls of medication will have the required dosage calibrated to a 1ml dose. The shelf life is 30 days and the medication does not need to be refrigerated

Product Name	Liothyronine (Teva) - 20mcg Tablets (Lactose Free)
Website	www.tevauk.com
Email	medinfo@tevauk.com
Ingredients	Liothyronine sodium, microcrystalline cellulose, maize starch, pregelatinised starch, colloidal anhydrous silica, magnesium stearate
PIL	https://tinyurl.com/surua9o

Product Name	Liothyronine (Iraskin) (Morningside) – 5mcg, 10mcg, 20mcg Tablets
Email	medicalenquiry@morningsidehealthcare.com
Ingredients	Liothyronine sodium, lactose monohydrate, partially pregelatinised maize starch, spray dried acacia, sodium chloride, magnesium stearate
PIL	https://tinyurl.com/vpczg5j

European T3 (Liothyronine) Replacements

Product Name	Thybon, Hennings (Sanofi-Aventis) - 20mcg, 100mcg Tablets (Lactose Free)
Email	medinfo.de@sanofi.com
Ingredients	Liothyronine hydrochloride, pregelatinised starch (corn), corn starch, microcrystalline cellulose, sodium carbonates, sodium thiosulphate 5 H ₂ O (Ph Eur), fumed silica, hydrogenated castor oil
PIL	https://tinyurl.com/u462b8y (in German)

Product Name	Slow Release T3 (compounded) (Lactose Free)
Email	info@receptura.de
Ingredients	Liothyronine, hydroxypropylmethyl cellulose. Capsule is made of cellulose.

Product Name	Tiromel (Abdi Ibrahim) - 25mcg Tablets
Email	info@abdiibrahim.com.tr
Ingredients	Liothyronine sodium, lactose, polyvinylpyrrolidone, starch, magnesium stearate

Product Name	Liotir Oral Solution (IBSA) – 5mcg (7 drops diluted in a little water), 10mcg, 15mcg, 20mcg
Email	info@ibsa.it
Ingredients	Liothyronine sodium, ethanol (96%), glycerol (85%)
PIL	https://edoc.com/liotir

American T3 (Liothyronine) Replacements

Product Name	Cytomel (King Pharmaceuticals) - 5mcg, 25mcg, 50mcg Tablets (Lactose Free)
Email	http://www.pfizer.com/contact/contact_us_support
Website	http://www.pfizer.com/
Ingredients	Liothyronine sodium, calcium sulphate, gelatin, corn starch, stearic acid, sucrose, talc
Comments	Comes in 5mcg tablets, which some people find much easier. Pfizer have taken over King Pharmaceuticals. Note: We have been unable to confirm if King Pharmaceuticals have a TSE certificate which is required for import into the UK
PIL	http://labeling.pfizer.com/ShowLabeling.aspx?id=703

Product Name	Liothyronine (Mylan) - 5mcg, 25mcg, 50mcg Tablets (Lactose Free)
Email	mguk_customer.services@mylan.co.uk
Ingredients	Liothyronine sodium, calcium sulfate anhydrous, gelatin, pregelatinized starch, stearic acid, sucrose, talc
PIL	https://tinyurl.com/slrudqn

Product Name	Liothyronine (Mayne Pharma) - 5mcg, 25mcg, 50mcg Tablets (Lactose Free)
Email	maynepharma@dlss.com
Ingredients	Liothyronine sodium, calcium sulfate, microcrystalline cellulose, hypromellose, talc, silicon dioxide
PIL	https://tinyurl.com/wgdtrqp

Synthetic Combination Replacements

Not generally available on the NHS in the UK unless you can persuade your GP to prescribe on a “named patient” basis. These may be available from a private doctor (although they usually prefer the natural thyroid). This product would be a good idea for people who are allergic to pork and therefore who can’t take any of the natural thyroid hormones.

Product Name	Roseway Compounded Levothyroxine plus Liothyronine Thyroid Suspension (Lactose Free)
Email	info@rosewaylabs.com
Ingredients	Levothyroxine, liothyronine, almond oil, silica gel, cellulose, vitamin E acetate
Notes	A prescription medication that must state strength per ml of T4 and/or T3. 30mls of medication will have the required dosage calibrated to a 1ml dose. The shelf life is 30 days and the medication does not need to be refrigerated

European Brand (not licensed in the UK)

Product Name	Novothyral (Merck Serono GmbH) - 75mcg, 100mcg Tablets
Email	medicalpartner@merckserono.de
Manufacturers	Merck KGaA, Frankfurter Straße 250, 64293 Darmstadt
Ingredients	Levothyroxine Sodium (T4), Liothyronine Sodium (T3), Lactose Monohydrate, Maize Starch, Gelatin, Croscarmellose Sodium, Magnesium Stearate
Details	1 tablet Novothyral 75mcg contains 75mcg levothyroxine sodium and 15mcg liothyronine sodium 1 tablet Novothyral 100mcg contains 100mcg levothyroxine sodium and 20 mcg liothyronine sodium
PIL	https://tinyurl.com/rlq9vtp

Natural Thyroid Hormone Replacements

Product Name	Armour Thyroid - various strengths from 15mg (¼ grain) - 300mg (5 grains) Tablets (Lactose Free)
Email	Not known
Website	www.allergan.com/products/key-products/product-prescribing
Ingredients	Thyroid tablets, USP (38 mcg levothyroxine (T4) and 9 mcg liothyronine (T3) per 60mg (1 grain) of thyroid), calcium stearate, dextrose, microcrystalline cellulose, sodium starch glycolate, opadry white
Details	Armour contains approximately 38mcg T4 and 9mcg T3 plus an X factor (something not yet understood). This means that patients taking Armour Thyroid are automatically getting T3 immediately into the system
PIL	https://www.allergan.com/assets/pdf/armourthyroid_pi

Product Name	Nature-Throid® - various strengths from 16.25 mg (¼ grain) - 325mg (5 grains) Tablets
Email	http://getrealthyroid.com/get-real-now/contact-us/
Ingredients	Thyroid USP, colloidal silicon dioxide, dicalcium phosphate, lactose monohydrate*, magnesium stearate, microcrystalline cellulose, croscarmellose sodium, stearic acid, opadry II 85F19316 clear. * Present in traceable amount as part of Thyroid USP (diluent).
Details	Nature-Throid® (Thyroid USP) tablets, micro-coated, easy to swallow with a reduced odour, for oral use are natural preparations derived from porcine thyroid glands (T3 liothyronine is approximately four times as potent as T4 levothyroxine on a microgram for microgram basis). They provide 38 mcg levothyroxine (T4) and 9 mcg liothyronine (T3) for each 65 mg (1 Grain) of the labelled content of thyroid

Product Name	Nature-Throid® - various strengths from 16.25 mg (¼ grain) - 325mg (5 grains) Tablets
PIL	https://getrealthyroid.com/assets/docs/Nature-Throid-Prescribing-Information.pdf

Product Name	WP Thyroid - various strengths from 16.25 mg (¼ grain) - 130mg (2 grains) Tablets
Email	http://getrealthyroid.com/get-real-now/contact-us/
Ingredients	Thyroid USP, inulin, medium chain triglycerides, lactose monohydrate* *Present in traceable amount as part of Thyroid USP (diluent)
Details	WP Thyroid tablets are natural preparations derived from porcine thyroid glands. (T3 liothyronine is approximately four times as potent as T4 levothyroxine on a microgram for microgram basis.) They provide 38 mcg levothyroxine (T4) and 9 mcg liothyronine (T3) for each 65 mg (1 Grain) of the labelled content of thyroid
PIL	https://getrealthyroid.com/assets/docs/WP-Thyroid-Prescribing-Information.pdf

Product Name	NP Thyroid - 30mg, 60mg, 90mg, 120mg Tablets (Lactose Free)
Email	npthyroid@acellapharma.com .
Ingredients	38 mcg levothyroxine (T4) and 9 mcg liothyronine (T3) per grain of thyroid (or per 60 mg of the labelled amount of thyroid), calcium stearate, dextrose (agglomerated), mineral oil
PIL	https://npthyroid.com/wp-content/uploads/2018/03/AC-015_NPThyroid_WebPI.pdf

Product Name	THYROID® - 30mg, 60mg, 125mg Tablets
Email	General Questions: info@ECI2012.net Medical Questions: psq@ECI2012.net
Ingredients	Thyroid tablets, USP (35 mcg levothyroxine (T4) and 8 mcg liothyronine (T3) per 60mg (1 grain) of thyroid), desiccated thyroid containing lactose, derived from porcine thyroid glands, cornstarch, magnesium stearate, sugar, talc
Details	Gluten, paraben, sulfite and tartrazine free
PIL	http://eci2012.net/wp-content/uploads/2015/11/Thyroid-Product-Monograph-En-PCR-15-084.pdf

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