



helvella - **World Liothyronine**

Last updated:

Monday, 7 April 2025 17:35

If the last updated date isn't very recent, please download a new copy!

<https://www.dropbox.com/scl/fi/0966vvdqq9zvfsk99js3w/helvella-World-Liothyronine.pdf?rlkey=lvhw81tzy3p0h0k3rg7x7zs3g&st=ig7h4i5e&dl=1>

@ Copyright helvella 2016 through last updated date. All rights reserved. No part of this publication may be reproduced or transmitted in any form, electronic or mechanical, including photocopying, recording or by means of any information storage or retrieval system without prior permission in writing from the author; or ii) used or reproduced in any way for the training, development or operation of artificial intelligence (AI) technologies, including generative AI technologies. The rights holders expressly reserve this publication from the text and data mining exception as per Article 4(3) of the Digital Single Market Directive (EU) 2019/190.

Table of Contents

Table of Contents	2
Introduction	5
Details of Liothyronine Products	7
Liothyronine Tablets H03AA02.....	8
❖ Abbott - Linorma T3	9
❖ Abdi Ibrahim - Tiromel.....	10
❖ Ace - Cytomel	11
❖ Advanz Pharma (Mercury Pharma) - Tertroxin †	12
❖ Advanz Pharma (Mercury Pharma) - Liothyronine	12
❖ Alpha Pharma - Thyro3 Liothyronine	13
❖ Alturix - Liothyronine oral solution †	14
❖ Alturix - Enolio Oral Solution †	14
❖ Auro - Auro-Liothyronine	15
❖ Aventis - Cynomel.....	16
❖ AvKARE - Liothyronine	17
❖ Biocon - Liothyronine	18
❖ Cadila - Liothyronine	19
❖ Dr Reddy's - Liothyronine.....	20
❖ ERC - Cytomel	21
❖ Golden Monster Pharma - T3 Cytomel	22
❖ Greenstone - Liothyronine.....	23
❖ Grossman - Cynomel.....	24
❖ Iran Hormone - Liotrine	25
❖ Kachhel - Shytomel	26
❖ LA Pharma - Cytomel	27
❖ Leo Pharma - Cytomel.....	28
❖ Mayne Pharma - Liothyronine †	29

Liothyronine Manufacturers63

Appendixes64

A. ATC Codes.....65

B. Brand and Generic Names66

C. Companies - Manufacturers, Importers and Distributors68

D. Key to Symbols74

E. Excipients.....75

Introduction

This document is intended to give an overview of liothyronine medicines.

In all cases, the information is as accurate as I have been able to achieve. There will be errors, details will be wrong or missing, formulations and brands will change, documents will be updated, and links will move or disappear. Treat it as a set of pointers to further information rather than a source in itself.

Please always check, re-check and check again everything which is important to you.

Re-branding (whether by a manufacturer or as an 'own label supplier') - which has happened with several products - does not necessarily mean any change to formulation. Many products have been acquired by other companies and, sometimes after several years, get re-branded.

Medicines are prone to issues of supply and recall. Just because products are listed here does not mean they are available. Some might have been withdrawn entirely or just from certain markets. Others might have been included despite not yet being available.

Errors and omissions accepted

If there is anything inaccurate in this information, or if you can fill any of the many gaps, let me know by Private Message, or on the HealthUnlocked Thyroid UK forum:

<https://healthunlocked.com/user/helvella>

As of 20th November 2022, you may also email me at:

edition-longing-0u@icloud.com

Be aware that this email address is ONLY for use regarding helvella documents. If I get unwanted emails, such as spam, I shall change the email address.

Please don't think that pointing out issues is being pernickety, pedantic or critical. It could make all the difference to someone.

This document is updated whenever I am aware of any changes or enhancements are needed. Sometimes there could be a significant delay between a change happening and it being reflected in this document.

Check the *Last updated date* on the front page. This document is updated *very* frequently. If the copy you are viewing is more than a few weeks old, please try downloading it again.

UK products are only mentioned here, and you should refer to my UK Thyroid Hormones document for more complete details.

See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

Printing

If you wish to print some or all of this document, assuming you are using a normal A4 printer, you might find you need the following settings (based on printer dialogue under macOS - Windows, etc., will likely have the same features but might use different terms):

Pages per sheet = 2

Scale to fit

Authorotate

Details of Liothyronine Products

Active Pharmaceutical Ingredient

With one exception, all liothyronine products have Liothyronine sodium as the Active Pharmaceutical Ingredient. The exception is Thybon Henning which is formulated with Liothyronine hydrochloride.

It is not known if this makes a difference. Thybon Henning is usually regarded as preferred to many other products but it is not clear if this difference is a reason.

Standard (Fast) Release

All products are standard (fast) release unless the text expressly says otherwise. If ordering compounded products, this must be discussed directly with the pharmacy.

Several times, it has been assumed that certain products are slow or extended release but this is almost never the case.

If a slow or extended release product is used, it is likely to need a higher dose due to not absorbing it as completely.

Liothyronine Tablets H03AA02

This section lists all known liothyronine tablets by manufacturer/formulation.

Many liothyronine tablets are distributed across several countries. Sometimes they are manufactured in one location and transported to other markets. Sometimes they are manufactured in multiple locations. And sometimes more than one company, or divisions of large companies handle the products.

These are subject to some regulation and oversight in the country within which they are marketed. Thus the same product might have different stock numbers and approvals across the markets.

It is not unusual for the products to be available in only limited dosages in some countries. Packaging may also vary by market.

However, it is also very important to realise that the same names - companies and brands - may be used in different countries for different products.

There is much less detail in this document than in the UK Thyroid Hormones document. The main reason for this is that maintaining detailed documents is simply not possible around the world and for so many products.

In addition to these products, it is sometimes possible for liothyronine products to be made to order in compounding pharmacies. This is rare given the range of products that exist and the extra costs of compounding. However, for some individuals, it might be necessary.

Marketing Authorisation Holder and Manufacturer Abbott, India 

Dosage	5 microgram
Dosage	20 microgram

PIL	blank
SPC	blank
PAR	blank

Brand History	
2023	Launched

Marketing Authorisation Holder and Manufacturer Abdi Ibrahim, Türkiye 

Dosage **25 microgram**

<i>PIL</i>	blank
<i>SPC</i>	blank
<i>PAR</i>	blank

Brand History

❖

Ace - Cytomel

Marketing Authorisation Holder and Manufacturer Ace, Netherlands 

Dosage	5 microgram
Dosage	12.5 microgram
Dosage	25 microgram

All dosages

GMIB PIL	https://www.geneesmiddeleninformatiebank.nl/bijsluiters/h108769.pdf
GMIB SPC	https://www.farmacotherapeutischkompas.nl/bladeren/preparaatteksten//liothyronine
PAR	blank

Brand History

❖ Advanz Pharma (Mercury Pharma) - Tertroxin †

❖ Advanz Pharma (Mercury Pharma) - Liothyronine

Marketing Authorisation Holder Advanz and Manufacturer Custom Pharmaceuticals, United Kingdom . Distributed by Aspen in most countries outside the UK.

The Tertroxin branding has been dropped in the UK though it is still registered. Also registered in Australia by Aspen and by various companies in India, Kenya, and Egypt.

See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

Other countries:

Australia  AUST R 12520

New Zealand  (Not approved)

South Africa 

Dosage **20 microgram**

TGA PIL

<https://www.ebs.tga.gov.au/ebs/picmi/picmirepository.nsf/pdf?OpenAgent&id=CP-2019-CMI-01590-1&d=202104131016933>

TGA SPC

<https://www.ebs.tga.gov.au/ebs/picmi/picmirepository.nsf/pdf?OpenAgent&id=CP-2019-PI-01587-1&d=202104131016933&d=20220605172310101>

TGA PAR

[https://www.ebs.tga.gov.au/servlet/xmlmillr6?dbid=ebs/PublicHTML/pdfStore.nsf&docid=12520&agid=\(PrintDetailsPublic\)&actionid=1](https://www.ebs.tga.gov.au/servlet/xmlmillr6?dbid=ebs/PublicHTML/pdfStore.nsf&docid=12520&agid=(PrintDetailsPublic)&actionid=1)

Brand History

1954 - 2003	Trade mark 'Tertoxin' registered (most recently by Mercury Pharma)
1956	Glaxo
2010	Debranded from Tertroxin in UK
	Distributed by Aspen in Australia and South Africa

❖ Alpha Pharma - Thyro3 Liothyronine

Marketing Authorisation Holder and Manufacturer [Alpha Pharma](#), India 

Dosage25 microgram

PIL	blank
SPC	blank
PAR	blank

Brand History

- ❖ Alturix - Liothyronine oral solution †
- ❖ Alturix - Enolio Oral Solution †

Marketing Authorisation Holder Alturix Manufacturer Labomed

This product is not available. Pricing has not been agreed with the NHS.

Dosage 10 microgram per ml

Sodium methyl parahydroxybenzoate (E 219): 2 mg per 1 ml dose

See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

Brand History

 Auro - Auro-Liothyronine

Marketing Authorisation Holder and Manufacturer AURO PHARMA INC, 

Dosage **5 microgram**

PIL

blank

CDA SPC

<https://health-products.canada.ca/dpd-bdpp/info?lang=eng&code=103880>

PAR

blank

Dosage **25 microgram**

PIL

blank

CDA SPC

<https://health-products.canada.ca/dpd-bdpp/info?lang=eng&code=15908>

PAR

blank

Brand History

❖

Aventis - Cynomel

Marketing Authorisation Holder Aventis  and Manufacturer Patheon 

Other Countries:

Greece 

Dosage25 microgram

PILblank

SPCblank

PARblank

Brand History

Marketing Authorisation Holder and Manufacturer Sigmapharm 

Dosage	5 microgram
Dosage	25 microgram
Dosage	50 microgram

FDA PIL	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=77f9f96f-7895-723b-e053-2a91aa0a0d59&audience=consumer
FDA SPC	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=77f9f96f-7895-723b-e053-2a91aa0a0d59
PAR	blank

Brand History

❖ Biocon - Liothyronine

Marketing Authorisation Holder and Manufacturer

Biocon



Dosage 5 microgram

Dosage 25 microgram

Dosage 50 microgram

FDA PIL

<https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=21002702-422b-1402-73b8-670314d8e579&audience=consumer>

FDA SPC

<https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=21002702-422b-1402-73b8-670314d8e579&audience=professional>

PAR

blank

Brand History

❖ Cadila - Liothyronine

See [Zydus - Liothyronine](#).

Marketing Authorisation Holder and Manufacturer

Dr Reddy's, United States



Dosage	5 microgram
Dosage	25 microgram
Dosage	50 microgram

FDA PIL	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=0b0f2db9-642d-d84f-b102-b43de34bbe75&audience=consumer
FDA SPC	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=0b0f2db9-642d-d84f-b102-b43de34bbe75
PAR	blank

Brand History

	Paddock
	Perrigo
	Libertas
	Mayne Pharma
07/04/2023	Acquired by Dr Reddy's

 ERC - Cytomel

Marketing Authorisation Holder ERC, Netherlands  Manufacturer Patheon, France 

Dosage **25 microgram**

PIL blank

SPC blank

PAR blank

Brand History

Golden Monster Pharma - T3 Cytomel

Marketing Authorisation Holder and Manufacturer Golden Monster, Peoples Republic of China 

Dosage 40 microgram

Dosage 100 microgram

PIL

blank

SPC

blank

PAR

blank

Brand History

Greenstone - Liothyronine

Marketing Authorisation Holder **Viatriis**, United States  , Manufacturer **Peptido** in Germany  and/or Austria 

This is classified as a Greenstone legacy product by Viatriis.
<https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=115a84c2-0126-4dd7-816e-1873875f1e49&type=display>

Dosage	5 microgram
Dosage	25 microgram
Dosage	50 microgram

FDA PIL	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=115a84c2-0126-4dd7-816e-1873875f1e49&audience=consumer
FDA SPC	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=115a84c2-0126-4dd7-816e-1873875f1e49&audience=professional
PAR	blank

Brand History

Mylan

Upjohn merged with Mylan to form Viatriis

Marketing Authorisation Holder and Manufacturer **Bausch**, Mexico 

Dosage **25 microgram**

<i>PIL</i>	blank
<i>SPC</i>	blank
<i>PAR</i>	blank

Brand History

Grossman
Company name changed to Valeant
Company name changed to Bausch Health

Iran Hormone - Liotrine

Marketing Authorisation Holder and ManufacturerIran Hormone, Iran

Dosage25 microgram

PIL	https://en.iranhormone.ir/product/liothyronine-25/
SPC	blank
PAR	blank

Brand History

❖

Kachhel - Shytomel

Marketing Authorisation Holder Kachhel, India , Manufacturer not known.

Dosage5 microgram

Dosage25 microgram

Dosage50 microgram

PIL

blank

SPC

blank

PAR

blank

Brand History

❖

LA Pharma - Cytomel

Marketing Authorisation Holder not known, India . Manufacturer not known.

Dosage

25 microgram

PIL	blank
SPC	blank
PAR	blank

Brand History

Dosage

25 microgram

PIL

blank

SPC

blank

PAR

blank

Brand History

❖ **Mayne Pharma - Liothyronine †**

United States 

See [Dr Reddy's](#)

Marketing Authorisation Holder and Manufacturer Medix, Mexico 

Dosage	10 microgram
Dosage	75 microgram

PIL	blank
SPC	blank
PAR	blank

Brand History

❖ Morningside - Liothyronine

Marketing Authorisation Holder [Advanz](#) and Manufacturer [Custom Pharmaceuticals](#), United Kingdom 

See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

PIL	blank
SPC	blank
PAR	blank

Brand History

 Northstar - Liothyronine

Marketing Authorisation Holder Northstar Rx LLC, United States , and
Manufacturer Zydus Lifesciences Ltd., Ahmedabad, India .

Dosage	5 microgram tablet
Dosage	25 microgram tablet
Dosage	50 microgram tablet

FDA PIL	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=c97dc9ec-af73-4836-aa0d-c27e66e792a9&audience=consumer
FDA SPC	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=c97dc9ec-af73-4836-aa0d-c27e66e792a9&audience=professional
PAR	blank

Brand History

United States 

See [Dr Reddy's](#)

United States 

See [Dr Reddy's](#)

 Perrigo - Linorma T3

Marketing Authorisation Holder and Manufacturer Perrigo, India 

Dosage	5 microgram
Dosage	20 microgram

PIL	blank
SPC	blank
PAR	blank

Brand History

 QG - Triyotex capsule

Marketing Authorisation Holder and Manufacturer **QG**, Mexico 

Dosage	5 microgram capsule
Dosage	10 microgram capsule

PIL	blank
SPC	blank
PAR	blank

Brand History

 Orifarm - Liothyonine

Marketing Authorisation Holder and Manufacturer **Orifarm**, Denmark 

Other countries:

Norway 

Sweden 

Dosage **20 microgram**

<i>PIL</i>	blank
<i>SPC</i>	blank
<i>PAR</i>	blank

Brand History

❖ **Pfizer - Cytomel**

Marketing Authorisation Holder Pfizer Laboratories Div Pfizer Inc, United States 

Marketing Authorisation Holder Pfizer, Canada 

Manufactured by Peptido in Germany  and/or Austria 

Dosage	5 microgram
Dosage	25 microgram
Dosage	50 microgram

Pfizer PIL	https://www.pfizer.ca/sites/default/files/202001/Cytomel_PI_L3_18Dec2019_E.pdf
CDA SPC	https://pdf.hres.ca/dpd_pm/00040301.PDF
Pfizer PAR	https://www.pfizer.ca/sites/default/files/202001/Cytomel_PM_L3_18Dec2019_E.pdf

Canada
Cytomel Liothyronine 5 microgram 01919458
Cytomel Liothyronine 25 microgram 01919466

<https://health-products.canada.ca/dpd-bdpp/info?lang=eng&code=15908>

Pfizer PIL	blank
CDA SPC	blank
Pfizer PAR	https://health-products.canada.ca/dpd-bdpp/info?lang=eng&code=15908

Brand History

Smith Kline & French Laboratories Corporation
Jones Medical Industries
King Pharmaceuticals

Roma - Liothyronine (capsules)

Marketing Authorisation Holder Roma . Manufacturer Galenica, Greece 

See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

Dosage	5 microgram
Dosage	10 microgram
Dosage	20 microgram

PIL	blank
SPC	blank
PAR	blank

Brand History

❖

Sanofi - Cynomel

Marketing Authorisation Holder Sanofi, France 

Manufacturer Patheon, France 

Other countries Czechia 

Dosage

25 microgram

Sanofi PIL

<http://base-donnees-publique.medicaments.gouv.fr/affichageDoc.php?specid=67353712&typedoc=N>

Sanofi SPC

<http://base-donnees-publique.medicaments.gouv.fr/affichageDoc.php?specid=67353712&typedoc=R>

PAR

blank

Brand History

 Sanofi - Thybon Henning

Marketing Authorisation Holder [Sanofi](#), Germany 

Manufacturer Sanofi-Aventis, Barcelona, Spain 

Dosage **20 microgram**

PIL [https://mein.sanofi.de/produkte/
/downloads?id=/resources/PIL/0900972f802a8ef7/data](https://mein.sanofi.de/produkte/downloads?id=/resources/PIL/0900972f802a8ef7/data)

Dosage **100 microgram**

PIL [https://mein.sanofi.de/produkte/thybon/downloads?id=/resources/PIL/
0900972f802a8ef6/data](https://mein.sanofi.de/produkte/thybon/downloads?id=/resources/PIL/0900972f802a8ef6/data)

All dosages

Product page: <https://mein.sanofi.de/produkte/thybon>

SPC [https://mein.sanofi.de/produkte/thybon/downloads?id=/resources/
SPC/0900972f80109fce/data&pdfName=0900972f80109fce](https://mein.sanofi.de/produkte/thybon/downloads?id=/resources/SPC/0900972f80109fce/data&pdfName=0900972f80109fce)

PAR blank

Brand History

 Sigmapharm - Liothyronine (UK)

Marketing Authorisation Holder and Manufacturer Sigmapharm, United States


See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

Dosage	5 microgram
Dosage	20 microgram

Brand History

Marketing Authorisation Holder and Manufacturer Sigmapharm, United States


Dosage	5 microgram
Dosage	25 microgram
Dosage	50 microgram

<i>PIL</i>	blank
<i>SPC</i>	blank
<i>PAR</i>	blank

Brand History



See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

 Sun - Liothyronine

Marketing Authorisation Holder and Manufacturer Sun, United States 

Dosage **25 microgram**

<i>PIL</i>	blank
<i>SPC</i>	blank
<i>PAR</i>	blank

Brand History

Dosage 25 microgram

<i>PIL</i>	blank
<i>SPC</i>	blank
<i>PAR</i>	blank

Brand History

 Tetronine - Liothyronine

Manufacturer Dalim Biotech, South Korea 

Dosage **5 microgram**

PIL blank

SPC blank

PAR blank

Brand History

Teva - Liothyronine

Marketing Authorisation Holder and Manufacturer [Teva Pharmaceuticals USA, Inc.](#), United States 

Marketing Authorisation Holder [Teva](#), Canada 

See **helvella - Thyroid Hormone Medicines - UK**  for details of the different Teva liothyronine product available there.

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

Dosage **5 microgram**

Canada

Teva-Liothyronine Liothyronine (Liothyronine Sodium) 5 Mcg Tablet Oral.
02494337

HPC PIL

<https://health-products.canada.ca/dpd-bdpp/info?lang=eng&code=98436>

Dosage **25 microgram**

Canada

Teva-Liothyronine Liothyronine (Liothyronine Sodium) 25 Mcg Tablet Oral.
02494345

HPC PIL

<https://health-products.canada.ca/dpd-bdpp/info?lang=eng&code=98437>

Dosage **50 microgram**

All dosages

<i>HRES SPC</i>	https://pdf.hres.ca/dpd_pm/00054012.PDF
<i>Teva PAR</i>	https://pdf.hres.ca/dpd_pm/00054012.PDF https://health-products.canada.ca/dpd-bdpp/info?lang=eng&code=98437

<i>FDA PIL</i>	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=548d684a-86f5-4e57-9844-d8cf0a84e068&audience=consumer
<i>FDA SPC</i>	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=548d684a-86f5-4e57-9844-d8cf0a84e068&audience=professional
<i>PAR</i>	blank

Brand History

Marketing Authorisation Holder and Manufacturer [UniPharma](#), Greece 

Dosage 25 microgram

Dosage 50 microgram

<https://www.dropbox.com/scl/fi/crizno7b5y0ziia9q8q8g/Ingredients-of-UniPharma-T3-Tablets.pdf?rlkey=lbm7aq7qlq0clxxbaz9mv8g17&dl=0>

PIL blank

SPC blank

PAR blank

Brand History

See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

Dosage	5 microgram
Dosage	20 microgram

PIL	blank
SPC	blank
PAR	blank

Brand History

 Zydus - Liothyronine

Marketing Authorisation Holder **Zydus**, United States  and Manufacturer **Zydus**, India 

- Dosage** **5 microgram**
- Dosage** **25 microgram**
- Dosage** **50 microgram**

PIL

<https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=4fb09346-3d30-4a7c-a97c-480d5924997a&audience=consumer>

SPC

<https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=4fb09346-3d30-4a7c-a97c-480d5924997a&audience=professional>

PAR

blank

Brand History



Other brands and makes

Any mentioned here are for historical interest only. They are no longer available.

TiTre

Laboratórios Esfar – Neo-Tiroimade Liothyronine tablets

J. Neves – Neo-Tiroimade Liothyronine tablets

Details of Compounded Liothyronine capsules

A number of compounding pharmacies will produce capsules contain desiccated thyroid to order.

It is usual to have a choice of material used for the capsule and one or more excipients used to enable manufacture and filling of the product.

These pharmacies require prescriptions which are valid in the country within which they operate.

Compounding of desiccated thyroid products was stopped by the FDA in the USA due to concerns about the potency.

❖ Roseway - Liothyronine capsules

Compounded by [Roseway](#), United Kingdom 

 Lactose content: Lactose status needs to be discussed when ordering.

Brand History

Liothyronine Liquid H03A02

Matrix of World Liothyronine Oral Solutions

5 mcg / mL	10 mcg / mL	15 mcg / mL	20 mcg / mL				
IBSA Liotir							
✓	✓	✓	✓				

Marketing Authorisation Holder and Manufacturer IBSA, Italy 

<https://www.torrinomedica.it/schede-farmaci/liotir/>

Dosage5 micrograms/ml single dose

Liotir 5 micrograms/ml oral solution

Dosage10 micrograms/ml single dose

Liotir 10 micrograms/ml oral solution

Dosage15 micrograms/ml single dose

Liotir 15 micrograms/ml oral solution

Dosage20 micrograms/ml single dose

Liotir 20 micrograms/ml oral solution

AIC: 036906016

PIL	https://www.torrinomedica.it/foglietti-illustrativi/liotir-bugiardino-foglietto-illustrativo/
SPC	https://www.torrinomedica.it/schede-farmaci/liotir/
PAR	blank

Brand History

10/06/2016

First authorised (in Italy)

Liothyronine Injectable H03A02

Matrix of World Liothyronine for Injection

5 mcg / mL	10 mcg / mL	15 mcg / mL	20 mcg / mL				
Advanz Mercury Pharma - Liothyronine Sodium Powder for Solution for Injection							
✓	✓	✓	✓				
XGEN - LIOTHYRONINE							
	✓						

❖ Advanz Mercury Pharma - Liothyronine Sodium Powder for Solution for Injection

See **helvella - Thyroid Hormone Medicines - UK** 

<https://www.dropbox.com/s/bo2jzxucgp9hlj7/helvella%20-%20Thyroid%20Hormone%20Medicines%20UK.pdf?dl=1>

❖

XGEN - LIOTHYRONINE

Marketing Authorisation Holder and Manufacturer

XGEN, United States



Dosage

10 microgram/mL vial for injection

Liothyronine sodium injection (T 3) is supplied in a single vial carton containing a 1mL vial at a concentration of 10 mcg/1mL (base). NDC number 39822-0151-1.

PIL	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=a8b39730-de19-497d-bde8-6594aa528403&audience=consumer
SPC	https://dailymed.nlm.nih.gov/dailymed/drugInfo.cfm?setid=a8b39730-de19-497d-bde8-6594aa528403
PAR	blank

Brand History

Liothyronine Manufacturers

Liothyronine is the **Active Pharmaceutical Ingredient** (API) as supplied to medicine manufacturers. This is for general reference but will not include any detail beyond name, county and, where known, a web address.

Quite clearly, there are other manufacturers but this list is all I have identified.

Appendixes

- [A: ATC Codes](#)
- [B: Brand and Generic Names](#)
- [C: Companies - Manufacturers, Importers and Distributors](#)
- [D: Key to Symbols](#)
- [E: Excipients](#)

A. ATC Codes

The Anatomical Therapeutic Chemical Classification System (ATC) assigns specific codes to groups of medicines which act similarly - on the same organs. This is used widely around the world and can help to search even when the website language is unfamiliar.

Those relevant to thyroid hormone medicines are listed below. At present, only medicines belonging to H03AA01 and H03AA02 are approved in the UK.

Code/prefix			Product groups
H03A			Thyroid preparations
H03A	A		Thyroid hormones
H03A	A	01	Levothyroxine
H03A	A	02	Liothyronine
H03A	A	03	Combinations of levothyroxine and liothyronine
H03A	A	04	Tiratricol
H03A	A	05	Thyroid gland preparations
H03A	A	51	Levothyroxine and iodine compound combinations

B. Brand and Generic Names

This document refers to numerous companies. The names used will not always be the full legal names of those companies. Even companies which appear to have the same name can be entirely separate companies, especially in different countries.

Generic

Many medicines are supplied without a formal product branding - for example, just “levothyroxine sodium”. However, even these products will be packaged under a company name.

There is a view that generic medicines are in some way inferior to brands. This has a basis in the origins of the brand vs. generic system. But has little relevance to the thyroid hormone market.

First, so far as I have been able to tell, neither levothyroxine nor liothyronine was patented in the UK (nor the USA). Had they been patented; it would have run out over forty years ago.

Second, the only products which could possibly be regarded as being out of patent, for example, Glaxo launched both Eltroxin and Tertroxin back in the 1950s. But both products have had formulation and manufacturer changes over the years. Advanz Mercury Pharma Eltroxin is sometimes available but is identical to Advanz Mercury Pharma Levothyroxine. And Advanz Mercury Pharma Liothyronine is no longer marketed in the UK under Tertroxin branding. (But is still supplied to Australia under that name.)

This is a different situation to products like Prozac now being also supplied as generic Fluoxetine.

Brand

Some medicines will be specifically branded. For example, Eltroxin is a brand name used for some Mercury Pharma levothyroxine products supplied by Advanz in the UK, but also for different products by Aspen in much of the rest of the world, and by GlaxoSmithKline in India.

‘Own label supplier’ or repackager

Some companies acquire their products from other companies but packaged under their own name. The legal responsibilities for these products remain with the companies which own the marketing and manufacturing licences.

An 'own label supplier' might change the actual product supplied with no notice. Further, different dosages of what might appear the same product could be (and sometimes are) supplied by different companies and have different formulations to each other. This will be stated on the packaging, but it might not be obvious.

The name of the Marketing Authorisation Holder and the licence number will always be printed on the outside of the packaging on all UK medicines. That means it is possible to check without opening any pack. Some pharmacists/pharmacy assistants seem not to realise this.

C. Companies - Manufacturers, Importers and Distributors

The NHS dm+d database (<https://services.nhsbsa.nhs.uk/dmd-browser/>) lists “suppliers” for each medicine. Those listed against levothyroxine and/or liothyronine products are shown below.

A supplier appears to be defined as any company from which products can be ordered and could include Manufacturers, Importers and Distributors. Even then, the name could be strictly the order-processing and distribution arm of, say, a manufacturing company. And small, specialist importers, such as implied by “Special Order”, are not included.

There is much confusion because these companies sometimes have the same as company names on packs of medicines, but sometimes we don't see these names. In general, we only rarely see distributor names unless we notice a delivery van outside a pharmacy. For example, Teva in the UK do not manufacture any thyroid hormone medicines. They are manufactured by parts of Teva in various EU countries, then imported by Teva in the UK. And distributed by the same or another Teva company as well as supplied to other distributors.

Suppliers can be very reluctant to respond to patients. Many seem to regard their customers as the pharmacies which order from them, or distributors, rather than the patients who take the medicines. Some are very much more open and helpful than others.

Abbott

Abbott India Ltd / Abbott Healthcare Pvt. Ltd.

Abbott India, 3, Corporate Park,, Sion Trombay Road,, Mumbai - 400 071, India

Abbott India Limited, L-18/19, Verna Industrial Area, Goa - 403 722 , India

<https://www.abbott.co.in/>

<https://www.abbott.in/products/business-areas.pharmaceuticals-abbott-india-limited.html>

AbbVie

AbbVie Inc. North Chicago, Illinois, U.S.A.

<https://www.abbvie.com/>

<https://www.allergan.com/>

<https://www.allergan.com/products/armour>

Abdi Ibrahim

Abdi Farma, Unip. Lda., Portugal

Abdi İbrahim İlaç San. ve Tic. A.S.Reşitpaşa Mah. Eski Büyükdere
Cad. No: 434467 Maslak / Sariyer / ISTANBUL

<https://www.abdiibrahim.com.tr/en>

Ace

Central Procurement & Supplies Unit, UB002 industrial Estate, San
Gwann SGN 3000, Malta

ACE Pharmaceuticals BV, Schepenveld 41, 3891 ZK Zeewolde (NL).

<https://medicinesauthority.gov.mt/medicine-details?id=100294>

Ace in Netherlands

<https://www.ace-pharm.nl/en/product/cytomel/>

Advanz Pharma

Advanz Pharma, UK

Alpha Pharma

Alpha-Pharma Healthcare, B205, Universal Business Park, Off Saki
Vihar Road, Chandivali, Mumbai 400072, India

Aspen

Aspen Pharma Pty Ltd in Australia

Aventis

See [Sanofi](#).

Bausch

Bausch Health

Grossman subsidiary of Bausch Health (formerly Valeant) in Mexico

<http://www.bauschhealth.com.mx/> (site non-functional)

BIOCON

BIOCON PHARMA INC

<https://www.biocon.com/>

Cadila

See [Zydus](#)

Custom Pharmaceuticals

Custom Pharmaceuticals Ltd. in UK

Dalim Biotech

33, Sinpyeong-ro, Jijeong-myeon, Wonju-si, Gangwon-do, Korea

<http://dalimpharm.co.kr/>

Dr Reddy's

Dr Reddy's Labs SA

ERC

Euro Registratie Collectief b.v., 2921 LP Krimpen a/d IJssel

Galenica

Galenica Pharmaceutical Industry S.A, 3rd km Old National Road
Chalkida-Athens, Glifa, Chalkida Eubia 34100 Greece

<https://www.galenica.com/en/>

Golden Monster

Golden Monster, Peoples Republic China

Greenstone

See [Viatris](#).

Henning

Henning Berlin has been part of the Sanofi Group since 1996.

See [Sanofi - Deutschland](#)

IBSA

IBSA Farmaceutici Italia S.r.l., Via Martiri di Cefalonia, 2, 26900 Lodi.

IBI Istituto Biochimico Italiano Giovanni Lorenzini S.p.A., Via
Fossignano, 2 Aprilia.

info@ibsa.it

Iran Hormone

Iran Hormone, Tehran, Iran

(Farsi and English) <https://www.iranhormone.ir>

Medix

Productos Medix, S.A. DE C.V. in Mexico

<https://medix.com.mx/>

Mercury Pharma

See [Advanz Pharma](#)

QG

See [Medix](#).

Orifarm

Orifarm Healthcare A/S, Energivej 15, 5260 Odense S, Danmark

Orifarm Generics AB Box 56048, 102 17 Stockholm, Sverige

info@orifarm.com

<https://www.orifarm.com/se>

Patheon

Patheon France S.A., Frankrijk, (part of Thermo Fisher)

<https://www.patheon.com/us/en/insights-resources/sites/bourgoin-fr.html>

Peptido

Peptido GmbH

Pfizer

Pfizer Canada ULC

Pfizer Canada Inc., 17300 Trans Canada Highway, Kirkland, Québec, H9J 2M5

Roma

Roma Pharmaceuticals Limited, Gibraltar House Crown Square, First Avenue, Burton on Trent, DE14 2WE

<https://www.romapharma.co.uk/>

Roseway

Roseway Labs, Zetland House, 5-25 Scrutton, Street, London, EC2A 4HJ

info@rosewaylabs.com

<https://rosewaylabs.com/>

Sanofi

Sanofi

<https://www.sanofi.com/en/>

Sanofi-Aventis, Barcelona, Spain

Sanofi-Aventis Deutschland

Sanofi-Aventis Deutschland GmbH, 65926 Frankfurt am Main

Postanschrift: Postfach 80 08 60, 65908 Frankfurt am Main

sanofi-aventis zrt.

Hungary

Sigmapharm

SigmaPharm Laboratories, LLC in USA

<https://www.sigmapharm.com/>

Sun

SUN PHARMACEUTICAL INDUSTRIES LTD

<https://sunpharma.com/>

Teva

Teva Pharma B.V., Swansweg 5, 2031GA Haarlem, Netherlands

TEVA Pharmaceutical Works Private Limited in Hungary

Teva Italia S.r.l., Piazzale Luigi Cadorna, 4, 20123 Milano, Italia

TEVA Pharmaceutical Works Private Limited Company, Pallagi út 13, 4042 Debrecen (Ungheria)

TEVA UK Ltd, Brampton Road, Hampden Park, Eastbourne, East Sussex,, BN22 9AG (Regno Unito)

Pharmachemie B.V. Swensweg 5, 2031 GA Haarlem (Paesi Bassi)

Teva Czech Industries s.r.o. Ostravska 29, c.p. 305, 74770 Opava-Komarov (Repubblica Ceca)

Teva Operations Sp. z.o.O, ul. Mogilska 80. 31-546, Krakow (Polonia)

TEVA PHARMA, S.L.U., C/C, n. 4, Poligono Industrial Malpica,
50016 Zaragoza (Spagna)

Merckle GmbH, Ludwig-Merckle Strasse 3, D-89143 Blaubeuren
(Germania)

TEVA CANADA LIMITED, 30 Novopharm Court, Toronto, Ontario,
Canada M1B 2K9

Pliva Hrvatska d.o.o. Zagreb, in Croatia

UniPharma

Κλεων Τσετης Φαρμακευτικα Εργαστηρια Αβεε

Uni-Pharma in Greece

Viatriis

Robert J. Coury Global Center, 1000 Mylan Blvd., Canonsburg, PA
15317

<https://www.viatriis.com/en>

XGEN

XGEN PHARMACEUTICALS DJB INC

<https://xgenpharmadjb.com/>

Zydus

Zydus Pharmaceuticals (USA) Inc., Pennington, NJ 08534

Zydus (Formerly Cadila)

Zydus Takeda Healthcare Pvt. Ltd

Cadila Healthcare (Zydus Cadila Healthcare Ltd)

Zydus Lifesciences Ltd., Cadila Pharmaceuticals Ltd, Sarkhej-
Dholka Road, Bhat, Ahmedabad, India, 382210

<https://www.cadilapharma.com/>

D. Key to Symbols



Indicates lactose or any other dairy content. Where known, the actual lactose content per dose will be included.

Document links below use the nomenclature of the UK. The buttons sometimes include a reference to a specific organisation such as the USA's FDA.



Product description for real products.



Product description for products compounded to order.



Product description for glandular products with no declared thyroid hormone potency.



Used to identify products which either have not been marketed, or are no longer available. (This is not used for temporary supply issues.)

PIL

The Patient Information Leaflet. Similar to the SPC but targeted at patients.

SPC

The Summary of Product Characteristics document. Similar to the PIL but targeted at medical professionals.

PAR

The Product Assessment Report. These are produced when product authorisation is first applied for. The PARs for older medicines will not be available. Some products have been authorised through other routes - e.g. the European Medicines Agency of individual EU country approvals. Hence they are not available for all products.

E. Excipients

The document has product matrixes which identify their excipients. Details of excipients are in my Excipients document.

helvella - Excipients

If the last updated date in a. copy your have downloaded isn't very recent, please download a new copy!

<https://www.dropbox.com/scl/fi/tud6r8f51au0g4w10xqa0/helvella-Excipients.pdf?rlkey=aeo2dyb635chtf30lcsiyyqj2&e=1&st=oofsriqf&dl=1>

FINIS