

## Fact check of a fact check - "Not for human use" - Part II

by [VisionBlue.info](http://VisionBlue.info)

**PRODUCT INFORMATION**

**ALC-0315**  
Item No. 34337

CAS Registry No.: 2036272-55-4  
Formal Name: 2-hexyl-decanoic acid, 1,1'-[[[4-hydroxybutyl]imino]di-6,1-hexanediyl] ester

MF:  $C_{48}H_{95}NO_5$   
FW: 766.3  
Purity:  $\geq 98\%$   
Supplied as: A solution in ethanol  
Storage:  $-20^\circ\text{C}$   
Stability:  $\geq 1$  year

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

**FACTENCHECK**

**Laboratory Procedures**

ALC-0315 is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as chloroform purged with an inert gas can be used. The solubility of ALC-0315 in chloroform is approximately 50 mg/ml.

**Description**

ALC-0315 is an ionizable amino lipid that has been used in combination with other lipids in the formation of lipid nanoparticles.<sup>1</sup> Administration of severe acute respiratory coronavirus 2 (SARS-CoV-2) mRNA in ALC-0315-containing lipid nanoparticles induces the production of IgG that binds to the SARS-CoV-2 receptor-binding domain (RBD) in rhesus macaques, with a boost in antigen-specific IgG geometric mean titers (GMT) seven and 14 days after a second dose. Formulations containing ALC-0315 have been used in the development of lipid nanoparticles for the delivery of mRNA-based vaccines.

**Reference**

1. Vogel, A.B., Kanevsky, I., Che, Y., et al. BNT162b vaccines protect rhesus macaques from SARS-CoV-2. *Nature* 592(7853), 283-289 (2021).

**WARNING**  
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

**SAFETY DATA**  
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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The research centre Correctiv - <https://www.correctiv.org> - has done a "fact check" on the nanolipids ALC-0315 and ALC 0159, which I reported on [here](#), which are used in the Pfizer/BioNTech vaccine "Comirnaty" ... See here: <https://ogy.de/7p10>

Now, of course, I looked at the Correctiv article. Here I would say: wrong because of a lack of context to the labelling of nano-lipids by manufacturers of the same! Or in other words, if the EMA approves a substance in a medicinal product as an "emergency use", is it automatically harmless? Did the EMA approve a "vaccine" using the nanolipids ALC-0315 and ALC-0159 and (in the case of Spikevax) SM-102 before BioNTech/Pfizer and Moderna with Comirnaty and SpikeVax? No! The thing is an experiment because it did not exist before. It's nice that Correctiv quotes the EMA as saying that it was tested on animals!

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The fact is that Echelon initially labelled the product "Not for human use" on its website where the company offers the product! But then suddenly this label was removed. But it is still there in the product PDF. Why is Echelon doing this? And above all, the page says: "ALC-0315 is an ionizable lipid which has been used to form lipid nanoparticles for

delivery of RNA. ALC-0315 is one of the components in the BNT162b2 vaccine against SARS-CoV-2 in addition to ALC-0159, DSPC, and cholesterol."

<https://www.echelon-inc.com/product/alc-0315/>

[https://www.echelon-inc.com/wp-content/uploads/2021/09/N-1020\\_TDS\\_rev1a.pdf](https://www.echelon-inc.com/wp-content/uploads/2021/09/N-1020_TDS_rev1a.pdf)

<https://www.echelon-inc.com/product/alc-0159/>

[https://www.echelon-inc.com/wp-content/uploads/2021/09/N-1020\\_TDS\\_rev1a.pdf](https://www.echelon-inc.com/wp-content/uploads/2021/09/N-1020_TDS_rev1a.pdf)

According to Correctiv, these substances offered by Echelon are not used by BionTech/Pfizer at all! But does this fit with the product page of Echelon, where this is explicitly mentioned?

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The same applies to another manufacturer, Cayman Chemical. They write about the product ALC-0315: "Product Description - ALC-0315 is an ionizable amino lipid that has been used in combination with other lipids in the formation of lipid nanoparticles. Administration of severe acute respiratory coronavirus 2 (SARS-CoV-2) mRNA in ALC-0315-containing lipid nanoparticles induces the production of IgG that binds to the SARS-CoV-2 receptor-binding domain (RBD) in rhesus macaques, with a boost in antigen-specific IgG geometric mean titers (GMT) seven and 14 days after a second dose. Formulations containing ALC-0315 have been used in the development of lipid nanoparticles for the delivery of mRNA-based vaccines.

WARNING This product is not for human or veterinary use."

in German:

" ... "

See the box on the right "Product Description" when you access the page.

<https://www.caymanchem.com/product/34337/alc-0315>

but also found here - at the bottom of the small print:

<https://cdn.caymanchem.com/cdn/insert/34337.pdf>

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The company MedChemExpress writes in its safety data sheet for the product ALC-0315 offered by them:

"The product is for research use only and for experienced personnel. It must only be handled by suitably qualified experienced scientists in appropriately equipped and authorised facilities. The burden of safe use of this material rests entirely with the user. MedChemExpress disclaims all liability for any damage resulting from handling or from contact with this product."

In German:

" ... " See para. 16 - last page

[https://file.medchemexpress.com/batch\\_PDF/HY-138170/ALC-0315-SDS-MedChemExpress.pdf](https://file.medchemexpress.com/batch_PDF/HY-138170/ALC-0315-SDS-MedChemExpress.pdf)

The same applies to the product ALC-0159

[https://file.medchemexpress.com/batch\\_PDF/HY-138300/ALC-0159-SDS-MedChemExpress.pdf](https://file.medchemexpress.com/batch_PDF/HY-138300/ALC-0159-SDS-MedChemExpress.pdf)

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ALC-0315 is offered by Merck. However, there are no working links to the description of the product.

<https://www.merckmillipore.com/DE/de/search/ALC-0315?search=&TrackingSearchType=SB+->

<https://www.merckmillipore.com/DE/de/search/ALC-0315?search=&TrackingSearchType=SB+-&SearchContextPageletUUID=&SearchTerm=ALC-0315&search=>

ALC-0159 is not offered by Merck:

<https://www.merckmillipore.com/DE/de/search/ALC-0159?search=&TrackingSearchType=SB+-+homepage-search-box+->

<https://www.merckmillipore.com/DE/de/search/ALC-0159?search=&TrackingSearchType=SB+-+homepage-search-box+-+OLD&SearchContextPageletUUID=&SearchTerm=ALC-0159&search=>

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The product ALC-0315 cannot be found on the American website of the Merck Group Millipore Sigma.

<https://www.emdmillipore.com/US/en/search/ALC-0315?search=&TrackingSearchType=SB+-+Search+Result+Search+Box&SearchContextPageletUUID=&SearchTerm=ALC-0315&search=>

as well as the product ALC-0159

<https://www.emdmillipore.com/US/en/search/ALC-0159?search=&TrackingSearchType=SB+-+Search+Box&SearchContextPageletUUID=&SearchTerm=ALC-0159&search=>

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According to their Healthcare Product Finder page, Croda does not offer ALC-0315 or ALC-0159. Which is strange, when they supposedly supply BioNTech or Pfizer with them.

<https://www.crodahealthcare.com/en-gb/product-finder?currentPage=1&pageSize=20&sortBy=recommended&lang=en-gb&freeText=ALC-0315>

<https://www.crodahealthcare.com/en-gb/product-finder?currentPage=1&pageSize=20&sortBy=recommended&lang=en-gb&freeText=ALC-0159>

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**Let me summarise:**

Manufacturers who offer the products ALC-0315 and ALC-0159 at least point out that the products may only be used for research purposes, if they do not even point out that they may not be used in and on humans. Of the companies mentioned by Correctiv, Merck and Croda, only the German Merck Group offers ALC-0315, according to their websites, without disclosing anything further about the product. The EMA allows the vaccine Comirnaty by way of an emergency authorisation, from which Correctiv already deduces that the substances ALC-0315 and ALC-0159 (nanolipids) are harmless. At the same time, in section "E. SPECIFIC OBLIGATION TO COMPLY WITH MEASURES AFTER APPROVAL UNDER "SPECIFIC CONDITIONS" of Annex 1 of the "SUMMARY OF THE CHARACTERISTICS OF THE MEDICINAL" authorisation, the EMA notes:

"To confirm the efficacy and safety of Comirnaty, the marketing authorisation holder should submit the final clinical study report for the randomised, placebo-controlled, observer-blind trial C4591001."

Deadline: December 2023

and

"To confirm the efficacy and safety of Comirnaty, the marketing authorisation holder should submit the final clinical study report for the randomised, placebo-controlled, observer-blind study C4591007."

Deadline: July 2024

[https://www.ema.europa.eu/en/documents/product-information/comirnaty-epar-product-information\\_en.pdf](https://www.ema.europa.eu/en/documents/product-information/comirnaty-epar-product-information_en.pdf)

The same, just with shorter deadlines, applies to Moderna regarding their "vaccine" Spikevax.

[https://www.ema.europa.eu/en/documents/product-information/spikevax-previously-covid-19-vaccine-moderna-epar-product-information\\_en.pdf](https://www.ema.europa.eu/en/documents/product-information/spikevax-previously-covid-19-vaccine-moderna-epar-product-information_en.pdf)

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**Conclusion:** A "vaccine" that contains nano-lipids that have never been tested before in a vaccine and in long-term test series, but which are "harmless" according to Correctiv because of the EMA emergency approval, still has to be confirmed in terms of efficacy and safety in studies that are still to be submitted. In the meantime, however, billions of people have been injected with them! What is this but a gigantic experiment on humans? For this experiment, "compulsory vaccination" is to be introduced in Germany and Austria. This is precisely why the [International Covenant on Civil and Political Rights applies](#) to the D-A-CH states (Germany, Austria and Switzerland), and specifically Art. 7 there:

**"No one shall be subjected to torture or to cruel, inhuman or degrading treatment or punishment. In particular, no one shall be subjected to medical or scientific experimentation without his or her voluntary consent."**

shall not be carried out on pregnant women.

6. Nothing in this article shall be invoked to delay or to prevent the abolition of capital punishment by any State Party to the present Covenant.

#### Article 7

No one shall be subjected to torture or to cruel, inhuman or degrading treatment or punishment. In particular, no one shall be subjected without his free consent to medical or scientific experimentation.

#### Article 8

1. No one shall be held in slavery; slavery and the slave-trade in all their forms shall be prohibited.

2. No one shall be held in servitude.

3. (a) No one shall be required to perform forced or compulsory labour;

(b) Paragraph 3 (a) shall not be held to preclude, in countries where imprisonment with hard labour may be imposed as a punishment for a crime, the performance of hard labour

de 18 ans et ne peut être exécutée contre des femmes enceintes.

6. Aucune disposition du présent article ne peut être invoquée pour retarder ou empêcher l'abolition de la peine capitale par un Etat partie au présent Pacte.

#### Article 7

Nul ne sera soumis à la torture ni à des peines ou traitements cruels, inhumains ou dégradants. En particulier, il est interdit de soumettre une personne sans son libre consentement à une expérience médicale ou scientifique.

#### Article 8

1. Nul ne sera tenu en esclavage; l'esclavage et la traite des esclaves, sous toutes leurs formes, sont interdits.

2. Nul ne sera tenu en servitude.

3. a) Nul ne sera astreint à accomplir un travail forcé ou obligatoire;

b) L'alinéa a du présent paragraphe ne saurait être interprété comme interdisant, dans les pays où certains crimes peuvent être punis de détention accompagnée de travaux

den sind, nicht verhängt und an schwangeren Frauen nicht vollstreckt werden.

(6) Keine Bestimmung dieses Artikels darf herangezogen werden, um die Abschaffung der Todesstrafe durch einen Vertragsstaat zu verzögern oder zu verhindern.

#### Artikel 7

Niemand darf der Folter oder grausamer, unmenschlicher oder erniedrigender Behandlung oder Strafe unterworfen werden. Insbesondere darf niemand ohne seine freiwillige Zustimmung medizinischen oder wissenschaftlichen Versuchen unterworfen werden.

#### Artikel 8

(1) Niemand darf in Sklaverei gehalten werden; Sklaverei und Sklavenhandel in allen ihren Formen sind verboten.

(2) Niemand darf in Leibeigenschaft gehalten werden.

(3) a) Niemand darf gezwungen werden, Zwangs- oder Pflichtarbeit zu verrichten;

b) Buchstabe a ist nicht so auszulegen, daß er in Staaten, in denen bestimmte Straftaten mit einem mit Zwangsarbeit verbundenen Freiheitsentzug geahndet werden können, die