

Squalene And Coronavirus Vaccine: Squalene is a term that alone would be enough to suggest a hoax.

As [squalene](#) correctly refers to the sharks: it is in fact a natural oil produced in the liver of sharks, used as an ingredient of vaccines because traditional medicine has shown its effectiveness in increasing the immune response.

The report "**Global Squalene Market, By Source Type (Animal Source (Shark Liver Oil), Vegetable Source (Olive Oil, Palm Oil, and Amaranth Oil), and Biosynthetic (GM Yeast)), By End-user (Cosmetics, Food, and Pharmaceuticals), and By Region (North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa) - Trends, Analysis and Forecast till 2029**".

Key Highlights:

- In February 2019, Amyris, Inc., and IDRI (Infectious Disease Research Institute), announced IDRI's receipt of a US\$4.4 million, five-year grant from the National Institute of Allergy and Infectious Diseases (part of the U.S. National Institutes of Health) to discover sustainable alternatives to shark squalene to use as vaccine adjuvants (grant number: R01AI135673). Funding is provided by a special bioengineering research grant aimed at bringing engineering expertise to focus on a biomedical problem and ultimately develop a new solution.

Analyst View:

Increased R&D and spending on oncology medicines are projected to fuel the industry size. For instance, according to the recent analysis by the IQVIA Institute for Human Data Science, the global oncology-drug market reached US\$133 billion in 2017. In the US, the spending on cancer drugs has doubled since 2012 with the huge share tied to drugs launched. Whereas, the overall spending on cancer therapies and supportive-care products increased to US\$133 billion in 2017 globally, up from US\$96 billion in 2013. Moreover, the spending on oncology medicines over the forecast period is anticipated to be in the range of 6.0–8.0%, which is likely to propel the squalene market.

Furthermore, the surging cosmetic industry in developing markets such as India, China, and Brazil, growing consumer awareness related to the use of high-quality cosmetic products, and willingness to pay premium prices are promoting the cosmetic industry growth at a global level. Hence, fueling the growth of the global squalene market.

Key Market Insights from the report:

The global squalene market accounted for USD 129.8 Million in 2020 and is anticipated to register a CAGR of 7.5%. The market report has been segmented on the basis of source type, end-user, and region.

- Depending upon source type, the animal source segment is expected to lead the squalene market throughout the forecast period. Squalene obtained from animal source requires less price as compared to squalene obtained from vegetable and other sources. Shark liver oil is an ironic source of squalene. In addition, squalene obtained from an animal source has a higher level of purity as compared to squalene obtained from a vegetable source. Therefore, animal-sourced squalene has a high demand than the vegetable source squalene.

- In terms of end-user, the cosmetics squalene market segment is projected to witness the highest growth in terms of value and volume. The surging cosmetic industry in developing markets such as India, China, and Brazil, growing consumer awareness related to the use of high-quality cosmetic products, and willingness to pay premium prices are promoting the cosmetic industry growth at a global level.
- By region, Europe accounted for the largest market share in squalene in 2019 and projected to maintain its position over the forecast period. Growing demand for squalene from pharmaceuticals and nutraceutical industry is influencing positive growth for the market in the country. In addition, the increased spending power of consumers and the growing demand for natural cosmetics has driven the market growth in this region.

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Competitive Landscape:

The prominent player operating in the global squalene market includes Arista Industries, Inc., Amyris Biotechnologies, Maruha Nichiro Corporation, Nucelis LLC, Sophim, Arbee Agencies, Gracefruit Limited, Empresa Figueirense De Pesca Lda, SeaDragon Marine Oils, VESTAN Squalene Hydrogenation and Purification, and Kishimoto Special Liver Oil.

The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.