

# **Nanoemulsion Market Report by Type (Small-molecule Surfactant, Protein-stabilized Emulsions, Polysaccharide), Route of Administration (Oral, Parenteral, and Others), Application (Anesthetics, Antibiotics, Nonsteroidal Anti-inflammatory Drugs, Immunosuppressants, Steroids, and Others), and Region 2024-2032**

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## **Abstracts**

The global nanoemulsion market size reached US\$ 11.6 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 22.8 Billion by 2032, exhibiting a growth rate (CAGR) of 7.5% during 2024-2032.

Nanoemulsions are thermodynamically stable isotropic systems wherein two immiscible liquids are mixed using an emulsifying agent like surfactant and co-surfactant. They are safe, effective, non-toxic, and non-irritant and have small-sized droplets with a greater surface area that provide better absorption and improved physical stability. As a result, they are used as carriers of drug molecules in pharmaceutical systems to improve the delivery of active pharma ingredients. They also help protect drugs that are susceptible to hydrolysis and oxidation, enable prolonged action of the medicaments, and provide better uptake of oil-soluble supplements in cell culture technology.

### **Nanoemulsion Market Trends:**

The rising prevalence of chronic diseases, along with increasing preferences for smart and precision drug delivery systems, represents one of the key factors catalyzing the demand for nanoemulsions worldwide. Moreover, nanoemulsions are used for targeted drug delivery of various anticancer drugs, photosensitizers, and therapeutic agents. In addition, as they can enhance the therapeutic efficacy of drugs and minimize adverse

effects and toxic reactions, they are gaining traction over conventional drug delivery systems across the globe. Apart from this, the growing aging population, which is more susceptible to critical health disorders, is propelling the need for nanoemulsions to treat reticuloendothelial system (RES) infection and in the enzyme replacement therapy of the liver. Besides this, they are employed in the cosmetics and personal care industries to manufacture foams, creams, liquids, and sprays. Furthermore, increasing demand for functional food on account of the rising health consciousness among individuals is positively influencing the applications of nanoemulsions in the food and beverage (F&B) industry. They assist in improving the digestibility of food and the bioavailability of active components.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global nanoemulsion market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on type, route of administration and application.

#### Breakup by Type:

- Small-molecule Surfactant
- Protein-stabilized Emulsions
- Polysaccharide

#### Breakup by Route of Administration:

- Oral
- Parenteral
- Others

#### Breakup by Application:

- Anesthetics
- Antibiotics
- Nonsteroidal Anti-inflammatory Drugs
- Immunosuppressants
- Steroids
- Others

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Ascendia Pharmaceuticals, B. Braun Melsungen AG, BlueWillow Biologics Inc., Covaris Inc., Fresenius Kabi AG, IDEX Corporation, Kaken Pharmaceutical Co. Ltd., Latitude Pharmaceuticals Inc., Owen Biosciences Inc., Santen Pharmaceutical Co. Ltd and Taiwan Liposome Co. Ltd.

#### Key Questions Answered in This Report

1. What was the size of the global nanoemulsion market in 2023?
2. What is the expected growth rate of the global nanoemulsion market during 2024-2032?
3. What are the key factors driving the global nanoemulsion market?

4. What has been the impact of COVID-19 on the global nanoemulsion market?
5. What is the breakup of the global nanoemulsion market based on the type?
6. What is the breakup of the global nanoemulsion market based on the application?
7. What are the key regions in the global nanoemulsion market?
8. Who are the key players/companies in the global nanoemulsion market?

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