

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/GE6995E22C88EN.html>

Date: June 2026

Pages: 113

Price: US\$ 4,480.00 (Single User License)

ID: GE6995E22C88EN

Abstracts

The global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market size is expected to reach \$ 1006 million by 2032, rising at a market growth of 18.2% CAGR during the forecast period (2026-2032).

In 2025, global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) production reached approximately 1,582 tons, with an average global market price of around US\$199 per kilogram.

Lacto-N-tetraose is a complex sugar found in human milk. It is one of the few characterized human milk oligosaccharides (HMOs) and is enzymatically synthesized from the substrate lactose. It is biologically relevant in the early development of the infant gut flora.

Lacto-N-neotetraose (LNnT) is an abundant HMO, attracts increasing attention because of its unique beneficial effects to infants and great commercial importance. It occurs in all groups of human milk, but the concentration generally decreases gradually with the lactation period.

The global Lacto-N-tetraose and Lacto-N-neotetraose market is transitioning from regulatory breakthroughs toward industrial convergence. The EU and US have established market access frameworks, allowing both HMOs in infant formula, beverages, and dairy products. China's trajectory marks a pivotal milestone: LNnT received official approval in May 2025, followed by LNT clearing technical review and entering public consultation in February 2026. By March 2026, both LNT and LNnT had entered formal acceptance channels, virtually synchronizing regulatory clearance for

these two core neutral HMOs in the world's largest infant formula market. On the supply side, domestic players have achieved industrialization, with hundred-ton scale pilot lines in trial production and downstream qualification audits underway. The demand-side logic is compelling: LNT and LNnT together constitute the second most abundant HMO group after 2'-FL, playing indispensable roles in neonatal gut barrier maturation and immune development. Yet the trajectory from regulatory approval to full commercialization hinges on three converging factors: capacity ramp-up pace, formulation sophistication in multi-HMO synergy, and cross-jurisdictional regulatory harmonization. In essence, LNT and LNnT are moving from supporting roles to center stage, but the true inflection point for scalable adoption remains ahead.

This report studies the global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) total production and demand, 2021-2032, (Tons)

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) total production value, 2021-2032, (USD Million)

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) domestic production, consumption, key domestic manufacturers and share

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) production by

Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Novonesis, DSM (Glycom A/S), Inbiose, Shandong Henglu Biotechnology, Zhuhai Langjian Biotechnology, Synaura Biotechnology, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Kg) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market, Segmentation by Type:

Lacto-N-tetraose (LNT)

Lacto-N-neotetraose (LNnT)

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market, Segmentation by Purity:

Purity ? 80%

Purity ? 90%

Purity ? 98%

Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market, Segmentation by Application:

Infant Formula

Food

Others

Companies Profiled:

Novonesis

DSM (Glycom A/S)

Inbiose

Shandong Henglu Biotechnology

Zhuhai Langjian Biotechnology

Synaura Biotechnology

Key Questions Answered:

1. How big is the global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market?
2. What is the demand of the global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market?
3. What is the year over year growth of the global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market?
4. What is the production and production value of the global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market?
5. Who are the key producers in the global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Introduction
- 1.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Supply & Forecast
 - 1.2.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032)
 - 1.2.3 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Pricing Trends (2021-2032)
- 1.3 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Region (Based on Production Site)
 - 1.3.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Region (2021-2032)
 - 1.3.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Region (2021-2032)
 - 1.3.3 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Region (2021-2032)
 - 1.3.4 North America Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032)
 - 1.3.5 Europe Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032)
 - 1.3.6 China Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032)
 - 1.3.7 Japan Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Demand (2021-2032)
- 2.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption by Region

2.2.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption by Region (2021-2026)

2.2.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Forecast by Region (2027-2032)

2.3 United States Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032)

2.4 China Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032)

2.5 Europe Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032)

2.6 Japan Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032)

2.7 South Korea Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032)

2.8 ASEAN Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032)

2.9 India Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

3.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Manufacturer (2021-2026)

3.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Manufacturer (2021-2026)

3.3 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Manufacturer (2021-2026)

3.4 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) in 2025

3.5.3 Global Concentration Ratios (CR8) for Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) in 2025

3.6 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market: Overall Company Footprint Analysis

3.6.1 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market: Region Footprint

3.6.2 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market: Company Product Type Footprint

3.6.3 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Comparison

4.1.1 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Comparison

4.2.1 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Comparison

4.3.1 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value (2021-2026)

4.4.3 United States Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2026)

4.5 China Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers and Market Share

4.5.1 China Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value (2021-2026)

4.5.3 China Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2026)

4.6 Rest of World Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Lacto-N-tetraose (LNT)

5.2.2 Lacto-N-neotetraose (LNnT)

5.3 Market Segment by Type

5.3.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Type (2021-2032)

5.3.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Type (2021-2032)

5.3.3 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PURITY

6.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market Size Overview by Purity: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Purity

6.2.1 Purity ? 80%

6.2.2 Purity ? 90%

6.2.3 Purity ? 98%

6.3 Market Segment by Purity

6.3.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Purity (2021-2032)

6.3.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Purity (2021-2032)

6.3.3 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Purity (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Infant Formula

7.2.2 Food

7.2.3 Others

7.3 Market Segment by Application

7.3.1 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Application (2021-2032)

7.3.2 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Application (2021-2032)

7.3.3 World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Novonesis

8.1.1 Novonesis Details

8.1.2 Novonesis Major Business

8.1.3 Novonesis Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

8.1.4 Novonesis Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 Novonesis Recent Developments/Updates

8.1.6 Novonesis Competitive Strengths & Weaknesses

8.2 DSM (Glycom A/S)

8.2.1 DSM (Glycom A/S) Details

8.2.2 DSM (Glycom A/S) Major Business

8.2.3 DSM (Glycom A/S) Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

8.2.4 DSM (Glycom A/S) Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.2.5 DSM (Glycom A/S) Recent Developments/Updates

8.2.6 DSM (Glycom A/S) Competitive Strengths & Weaknesses

8.3 Inbiose

8.3.1 Inbiose Details

8.3.2 Inbiose Major Business

8.3.3 Inbiose Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

8.3.4 Inbiose Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.3.5 Inbiose Recent Developments/Updates

8.3.6 Inbiose Competitive Strengths & Weaknesses

8.4 Shandong Henglu Biotechnology

8.4.1 Shandong Henglu Biotechnology Details

8.4.2 Shandong Henglu Biotechnology Major Business

8.4.3 Shandong Henglu Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

8.4.4 Shandong Henglu Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.4.5 Shandong Henglu Biotechnology Recent Developments/Updates

8.4.6 Shandong Henglu Biotechnology Competitive Strengths & Weaknesses

8.5 Zhuhai Langjian Biotechnology

8.5.1 Zhuhai Langjian Biotechnology Details

8.5.2 Zhuhai Langjian Biotechnology Major Business

8.5.3 Zhuhai Langjian Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

8.5.4 Zhuhai Langjian Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.5.5 Zhuhai Langjian Biotechnology Recent Developments/Updates

8.5.6 Zhuhai Langjian Biotechnology Competitive Strengths & Weaknesses

8.6 Synaura Biotechnology

8.6.1 Synaura Biotechnology Details

8.6.2 Synaura Biotechnology Major Business

8.6.3 Synaura Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

8.6.4 Synaura Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT)

Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 Synaura Biotechnology Recent Developments/Updates

8.6.6 Synaura Biotechnology Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

9.1 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Industry Chain

9.2 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Upstream Analysis

9.2.1 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Core Raw Materials

9.2.2 Main Manufacturers of Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT)
Core Raw Materials

9.3 Midstream Analysis

9.4 Downstream Analysis

9.5 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Mode

9.6 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Procurement Model

9.7 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Industry Sales Model and
Sales Channels

9.7.1 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Sales Model

9.7.2 Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Region (2021-2026) & (USD Million)

Table 3. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Region (2027-2032) & (USD Million)

Table 4. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Region (2021-2026)

Table 5. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Region (2027-2032)

Table 6. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Region (2021-2026) & (Tons)

Table 7. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Region (2027-2032) & (Tons)

Table 8. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share by Region (2021-2026)

Table 9. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share by Region (2027-2032)

Table 10. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Region (2021-2026) & (US\$/Kg)

Table 11. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Region (2027-2032) & (US\$/Kg)

Table 12. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Major Market Trends

Table 13. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption by Region (2021-2026) & (Tons)

Table 15. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Producers in 2025

Table 18. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Producers in 2025

Table 20. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Manufacturer (2021-2026) & (US\$/Kg)

Table 21. Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Company Evaluation Quadrant

Table 22. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Industry Rank of Major Manufacturers, Based on Production Value in 2025

Table 23. Head Office and Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Site of Key Manufacturer

Table 24. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market: Company Product Type Footprint

Table 25. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market: Company Product Application Footprint

Table 26. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Competitive Factors

Table 27. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) New Entrant and Capacity Expansion Plans

Table 28. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Mergers & Acquisitions Activity

Table 29. United States VS China Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share (2021-2026)

Table 37. China Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share (2021-2026)

Table 42. Rest of World Based Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share (2021-2026)

Table 47. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Type (2021-2026) & (Tons)

Table 49. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Type (2027-2032) & (Tons)

Table 50. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Type (2021-2026) & (USD Million)

Table 51. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Type (2027-2032) & (USD Million)

Table 52. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Type (2021-2026) & (US\$/Kg)

Table 53. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Type (2027-2032) & (US\$/Kg)

Table 54. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Purity, (USD Million), 2021 & 2025 & 2032

Table 55. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Purity (2021-2026) & (Tons)

Table 56. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Purity (2027-2032) & (Tons)

Table 57. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Purity (2021-2026) & (USD Million)

Table 58. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production

Value by Purity (2027-2032) & (USD Million)

Table 59. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Purity (2021-2026) & (US\$/Kg)

Table 60. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Purity (2027-2032) & (US\$/Kg)

Table 61. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Application (2021-2026) & (Tons)

Table 63. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production by Application (2027-2032) & (Tons)

Table 64. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Application (2021-2026) & (USD Million)

Table 65. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Application (2027-2032) & (USD Million)

Table 66. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Application (2021-2026) & (US\$/Kg)

Table 67. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Application (2027-2032) & (US\$/Kg)

Table 68. Novonesis Basic Information, Manufacturing Base and Competitors

Table 69. Novonesis Major Business

Table 70. Novonesis Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

Table 71. Novonesis Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Novonesis Recent Developments/Updates

Table 73. Novonesis Competitive Strengths & Weaknesses

Table 74. DSM (Glycom A/S) Basic Information, Manufacturing Base and Competitors

Table 75. DSM (Glycom A/S) Major Business

Table 76. DSM (Glycom A/S) Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

Table 77. DSM (Glycom A/S) Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. DSM (Glycom A/S) Recent Developments/Updates

Table 79. DSM (Glycom A/S) Competitive Strengths & Weaknesses

Table 80. Inbiose Basic Information, Manufacturing Base and Competitors

Table 81. Inbiose Major Business

Table 82. Inbiose Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

Table 83. Inbiose Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. Inbiose Recent Developments/Updates

Table 85. Inbiose Competitive Strengths & Weaknesses

Table 86. Shandong Henglu Biotechnology Basic Information, Manufacturing Base and Competitors

Table 87. Shandong Henglu Biotechnology Major Business

Table 88. Shandong Henglu Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

Table 89. Shandong Henglu Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Shandong Henglu Biotechnology Recent Developments/Updates

Table 91. Shandong Henglu Biotechnology Competitive Strengths & Weaknesses

Table 92. Zhuhai Langjian Biotechnology Basic Information, Manufacturing Base and Competitors

Table 93. Zhuhai Langjian Biotechnology Major Business

Table 94. Zhuhai Langjian Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

Table 95. Zhuhai Langjian Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 96. Zhuhai Langjian Biotechnology Recent Developments/Updates

Table 97. Zhuhai Langjian Biotechnology Competitive Strengths & Weaknesses

Table 98. Synaura Biotechnology Basic Information, Manufacturing Base and Competitors

Table 99. Synaura Biotechnology Major Business

Table 100. Synaura Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Product and Services

Table 101. Synaura Biotechnology Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (Tons), Price (US\$/Kg), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Synaura Biotechnology Recent Developments/Updates

Table 103. Synaura Biotechnology Competitive Strengths & Weaknesses

Table 104. Global Key Players of Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Upstream (Raw Materials)

Table 105. Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Typical Customers

Table 106. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Picture

Figure 2. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032) & (Tons)

Figure 5. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price (2021-2032) & (US\$/Kg)

Figure 6. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Region (2021-2032)

Figure 7. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share by Region (2021-2032)

Figure 8. North America Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032) & (Tons)

Figure 9. Europe Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032) & (Tons)

Figure 10. China Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032) & (Tons)

Figure 11. Japan Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production (2021-2032) & (Tons)

Figure 12. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Market Drivers

Figure 13. Factors Affecting Demand

Figure 14. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 15. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Market Share by Region (2021-2032)

Figure 16. United States Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 17. China Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 18. Europe Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 19. Japan Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 20. South Korea Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 21. ASEAN Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 22. India Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption (2021-2032) & (Tons)

Figure 23. Producer Shipments of Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 24. Global Four-firm Concentration Ratios (CR4) for Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Markets in 2025

Figure 25. Global Four-firm Concentration Ratios (CR8) for Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Markets in 2025

Figure 26. United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States VS China: Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share 2025

Figure 30. China Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share 2025

Figure 31. Rest of World Based Manufacturers Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share 2025

Figure 32. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 33. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Type in 2025

Figure 34. Lacto-N-tetraose (LNT)

Figure 35. Lacto-N-neotetraose (LNnT)

Figure 36. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share by Type (2021-2032)

Figure 37. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Type (2021-2032)

Figure 38. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Type (2021-2032) & (US\$/Kg)

Figure 39. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Purity, (USD Million), 2021 & 2025 & 2032

Figure 40. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production

Value Market Share by Purity in 2025

Figure 41. Purity ? 80%

Figure 42. Purity ? 90%

Figure 43. Purity ? 98%

Figure 44. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share by Purity (2021-2032)

Figure 45. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Purity (2021-2032)

Figure 46. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Purity (2021-2032) & (US\$/Kg)

Figure 47. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 48. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Application in 2025

Figure 49. Infant Formula

Figure 50. Food

Figure 51. Others

Figure 52. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Market Share by Application (2021-2032)

Figure 53. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Production Value Market Share by Application (2021-2032)

Figure 54. World Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Average Price by Application (2021-2032) & (US\$/Kg)

Figure 55. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Industry Chain

Figure 56. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Procurement Model

Figure 57. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Sales Model

Figure 58. Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Sales Channels, Direct Sales, and Distribution

Figure 59. Methodology

Figure 60. Research Process and Data Source

I would like to order

Product name: Global Lacto-N-tetraose (LNT) and Lacto-N-neotetraose (LNnT) Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/GE6995E22C88EN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/GE6995E22C88EN.html>