

# Global Proflavine Hemisulfate Supply, Demand and Key Producers, 2026-2032

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## Abstracts

The global Proflavine Hemisulfate market size is expected to reach \$ 18.21 million by 2032, rising at a market growth of 3.0% CAGR during the forecast period (2026-2032).

Proflavine hemisulfate is a hemisulfate compound of acridine basic fluorescent dye. It appears as an orange-red crystalline powder, readily soluble in water and ethanol; its aqueous solution is orange-yellow and exhibits strong fluorescence. Its molecular structure centers on an acridine ring, which can bind to the double strands of nucleic acids (DNA/RNA) through intercalation. It possesses broad-spectrum antibacterial activity, inhibiting the growth and reproduction of Gram-positive bacteria and some Gram-negative bacteria. Combining staining and bioactivity, it is an important reagent in the fields of biomedicine, molecular biology, and clinical disinfection.

Global production of proflavine hemisulfate is projected to reach 3 tons in 2025, with an average price of \$4,800 per kilogram.

Upstream of Proflavine Hemisulfate mainly includes raw materials such as naphthalene derivatives, aromatic amines, related chemical reagents, solvents, and intermediates. Downstream applications are concentrated in biomedicine, molecular staining, tissue labeling, and research experiments, particularly in cell staining, bacterial fluorescence labeling, and microbial detection where demand is steadily increasing. Downstream customers require high purity, stability, and batch consistency, with research institutions, pharmaceutical companies, and diagnostic laboratories as major buyers. Industry trends indicate growing demand for high-purity, environmentally friendly, and traceable materials, while advancements in molecular biology and microbial detection technologies continue to expand downstream markets. Driving factors include increased research investment, growing life sciences experimental needs, and expansion in medical diagnostic testing. Constraints include raw material price fluctuations,

regulatory restrictions, intense industry competition, and potential substitution by alternative dyes or labeling technologies. Gross margins are generally medium to high. Standard research and staining products typically achieve 25%–40%, while high-end pharmaceutical or customized products can reach 40%–55%, largely influenced by raw material costs, purity requirements, and order scale.

This report studies the global Proflavine Hemisulfate production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Proflavine Hemisulfate 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 Proflavine Hemisulfate that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

- Global Proflavine Hemisulfate total production and demand, 2021-2032, (kg)
- Global Proflavine Hemisulfate total production value, 2021-2032, (USD Million)
- Global Proflavine Hemisulfate production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (kg), (based on production site)
- Global Proflavine Hemisulfate consumption by region & country, CAGR, 2021-2032 & (kg)
- U.S. VS China: Proflavine Hemisulfate domestic production, consumption, key domestic manufacturers and share
- Global Proflavine Hemisulfate production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (kg)
- Global Proflavine Hemisulfate production by Type, production, value, CAGR, 2021-2032, (USD Million) & (kg)
- Global Proflavine Hemisulfate production by Application, production, value, CAGR, 2021-2032, (USD Million) & (kg)

This report profiles key players in the global Proflavine Hemisulfate 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 Merck, Tokyo Chemical Industry (TCI), Spectrum Chemical, AK Scientific, Glentham Life Sciences, Fluorochem, Aladdin Scientific, Biosynth, Central Drug House (CDH), Loba Chemie, 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 Proflavine Hemisulfate market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (kg) 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 Proflavine Hemisulfate Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Proflavine Hemisulfate Market, Segmentation by Type:

Proflavin Sulfate Hemisulfate

Proflavin Derivatives

Proflavin Sulfate Aqueous Solution

### Global Proflavine Hemisulfate Market, Segmentation by Purity:

90%-98%

98%-99%

Over 99%

### Global Proflavine Hemisulfate Market, Segmentation by Form:

Powder

Solution

### Global Proflavine Hemisulfate Market, Segmentation by Application:

Biochemistry and Molecular Biology

Clinical Medicine

Genetics and Microbial Breeding

Industrial Testing

### Companies Profiled:

Merck

Tokyo Chemical Industry (TCI)

Spectrum Chemical

AK Scientific

Glentham Life Sciences

Fluorochem

Aladdin Scientific

Biosynth

Central Drug House (CDH)

Loba Chemie

Macsen Laboratories

Ankur Chemicals

ALPHA CHEMIKA

Otto Chemie Pvt. Ltd.

**Key Questions Answered:**

1. How big is the global Proflavine Hemisulfate market?
2. What is the demand of the global Proflavine Hemisulfate market?
3. What is the year over year growth of the global Proflavine Hemisulfate market?
4. What is the production and production value of the global Proflavine Hemisulfate market?
5. Who are the key producers in the global Proflavine Hemisulfate market?
6. What are the growth factors driving the market demand?

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