

# Global Proflavine Hemisulfate Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Proflavine Hemisulfate market size was valued at US\$ 14.82 million in 2025 and is forecast to a readjusted size of US\$ 18.21 million by 2032 with a CAGR of 3.0% during review period.

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 is a detailed and comprehensive analysis for global Proflavine Hemisulfate market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

### **Key Features:**

Global Proflavine Hemisulfate market size and forecasts, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global Proflavine Hemisulfate market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global Proflavine Hemisulfate market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (kg), and average selling prices (US\$/kg), 2021-2032

Global Proflavine Hemisulfate market shares of main players, shipments in revenue (\$ Million), sales quantity (kg), and ASP (US\$/kg), 2021-2026

### **The Primary Objectives in This Report Are:**

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Proflavine Hemisulfate

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Proflavine Hemisulfate market based on the following parameters - company overview, sales quantity, revenue, 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.

## **Market Segmentation**

Proflavine Hemisulfate market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

### Market segment by Type

Proflavin Sulfate Hemisulfate

Proflavin Derivatives

Proflavin Sulfate Aqueous Solution

### Market segment by Purity

90%-98%

98%-99%

Over 99%

### Market segment by Form

Powder

Solution

### Market segment by Application

Biochemistry and Molecular Biology

Clinical Medicine

Genetics and Microbial Breeding

Industrial Testing

### Major players covered

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.

Market segment by region, regional analysis covers  
North America (United States, Canada, and Mexico)  
Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)  
Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)  
South America (Brazil, Argentina, Colombia, and Rest of South America)  
Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

### **The content of the study subjects, includes a total of 15 chapters:**

Chapter 1, to describe Proflavine Hemisulfate product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Proflavine Hemisulfate, with price, sales quantity, revenue, and global market share of Proflavine Hemisulfate from 2021 to 2026.

Chapter 3, the Proflavine Hemisulfate competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Proflavine Hemisulfate breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Proflavine Hemisulfate market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Proflavine Hemisulfate.

Chapter 14 and 15, to describe Proflavine Hemisulfate sales channel, distributors, customers, research findings and conclusion.

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