

# Procalcitonin (CAS 56645-65-9) Market Research Report 2025

<https://marketpublishers.com/r/PDB5CB42C05EN.html>

Date: May 2025

Pages: 70

Price: US\$ 2,200.00 (Single User License)

ID: PDB5CB42C05EN

## Abstracts

Procalcitonin (CAS 56645-65-9) Market Research Report 2025 presents comprehensive data on Procalcitonin markets globally and regionally (Europe, Asia, North America etc.)

The report includes Procalcitonin description, covers its application areas and related patterns. It overviews Procalcitonin market, names Procalcitonin producers and indicates its suppliers.

Besides, the report provides Procalcitonin prices in regional markets.

In addition to the above the report determines Procalcitonin consumers in the market.

BAC Reports offers its clients in-depth market research of chemical industry products on the global and regional markets (North & Latin America, Asia Pacific, European Union, Russia and CIS).

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capacities and production

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market forecast.

Procalcitonin (CAS 56645-65-9) Market Research Report 2025 can feature:

market condition and estimations, market forecast

chemical product ranges, trademarks, analogous products, application areas

regional and global producers, consumers and traders (including contact details).

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## About

Procalcitonin (PCT) is a type of chemical called a peptide precursor of the hormone calcitonin. It is a naturally appearing substance in the body involved in calcium homeostasis. This chemical element is composed of 116 amino acids and is mainly produced by parafollicular cells (C cells) of the thyroid and by the neuroendocrine cells of the lung and the intestine.

The level of procalcitonin in the blood stream of healthy individuals is well below 0.25 ng/mL. Procalcitonin concentration significantly increases in a response to a proinflammatory stimulus, especially of bacterial origin, and its blood levels may rise to 100 ng/mL.

Procalcitonin is an ideal sepsis biomarker: it reflects the severity of bacterial infection and is in particular used to monitor progression of infection into sepsis, severe sepsis, or septic shock. The product concentrations in these potentially deadly medical conditions are typically above 1 ng/mL.

Non-septic infectious diseases like pneumonia, bacterial meningitis and malaria can also be diagnosed with the help of procalcitonin. Using procalcitonin measures and other diagnostic methods, doctors can more accurately prescribe treatments that, if not balanced and customized for a patient, could end up being harmful.

A cluster randomized trial found that using serial procalcitonin-based algorithms to guide continuation or cessation of antibiotic therapy reduces the number of days patients are on antibiotics without adverse effects.

Procalcitonin may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Procalcitonin market is covered in the study Procalcitonin (CAS 56645-65-9) Market Research Report 2025. The report encompasses proper description of the product, unveils application areas, and briefly summarizes patents in the sphere. It overlooks procalcitonin market situation, names manufacturers, suppliers as well as users. The report also provides current procalcitonin prices in the market.

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