

# Solubility Enhancement in Pharmaceutical Oral Solid and Parenteral Dosage Forms

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**2<sup>nd</sup> edition**

**Global Coverage**

A comprehensive analysis examining the market for Solubility Enhancement in Pharmaceutical Oral Solid and Parenteral Dosage Forms globally.

The reports will focus on key trends, developments, changes, challenges, and business opportunities.

## SCOPE

- › Consumption of solubility enhancement excipients in OSDF and parenteral dosage forms
- › Consumption of excipients by technology and methods used
- › Competitive landscape for the excipients for solubility enhancement
- › Technology and process analysis for solubility enhancement techniques
- › Detailed analysis of key drivers and restraints of the excipients consumption for solubility enhancement
- › Consumption forecast of excipients to 2030

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## Introduction

### Executive Summary

An overview of the report findings plus forecast based on Kline's Future View Forecasting Model

### Introduction to Solubility Enhancement

- Global pharmaceutical industry: overview
- Regulatory scenario
- Current situation of poorly bioavailable active

### Solubility Enhancement Technologies

- Overview of the technologies
- Role of SE technologies in the oral solid and parenteral dosage forms
- Advantages, disadvantages, and comparative assessment of the technologies
- Commercial examples of technologies in the solubility enhancement market
- Excipients used in the technologies
- Upcoming technologies
- Outlook

### Comparative Assessment of SE technologies by dosage forms (OSDF versus parenteral)

- Current situation and outlook



## Solubility Enhancement

### Excipients

- Introduction
- Grades and prices
- Consumption of excipient in the oral solid and parenteral dosage forms
- Competitive Landscape
- Commercial examples of drugs using excipient in solubility enhancement market
- Novel/upcoming excipients for solubility enhancement
- Outlook

### Competitive Landscape

- Introduction
- Industry Structure
- Supplier market share in the oral solid and parenteral dosage forms
- Competitive Landscape
- Short Profiles on major suppliers
- Major drug delivery companies
- Major customers

### Comparative Assessment of SE excipients by dosage forms (OSDF versus parenteral)

- Current consumption and outlook

### Appraisal and Outlook

- Major trends in oral solid parenteral dosage forms
- Drivers and Restraints in solubility enhancement market
- Outlook and forecast for the solubility enhancement market

## Product Scope

<b>Excipient Category</b>	<b>Excipient type</b>
<b>Surfactants</b>	Cremophors Polyethylene Glycols (PEG) Polysorbates Poloxamers Solutol HS 15 Polyoxyl stearates N-methyl-2-pyrrolidone Ethanol Glycerin Lecithin Docusate sodium (DSS) Sodium lauryl sulfate (SLS)

<b>Polymers</b>	Copovidone HPMC Polymethacrylates (PMAs) HPMCAS Povidone (PVP) HPC Polyvinyl Caprolactam-polyvinyl acetate-polyethylene glycol copolymer PEO HPMCP
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### **Lipid-based excipients (including water-insoluble surfactants)**

Cyclodextrins  
 Mesoporous Silica  
 Dendrimers

## Technology Scope

<b>Technology</b>	<b>Process</b>
<b>Particle size reduction</b>	Micronization Nanonization
<b>Lipid Solubilization Modification of crystal habit</b>	Several Polymorphs Pseudopolymorphs
<b>Soild Dispersions</b>	Spray drying process Hot-melt extrusion process
<b>Complexation</b>	Complexation with cyclodextrins
<b>Cryogenic techniques</b>	Lyophilization Use of Liposomes and proliposomes pH adjustment Salt formation Cosolvency Hydrotopy Coprocessed excipients Use of Ion exchange resins Solid Lipid Nanoparticles Liquisolid Technology Use of Silica Use of Dendrimers

## REPORT BENEFITS

This study will assist suppliers of pharmaceutical excipients in identifying opportunities within the global market of solubility enhancement. It will also serve as an invaluable tool in the strategic planning process:

Develop business strategies by understanding the trends and developments that are driving the global solubility enhancement excipients market

Identification of key growth areas by excipient type, application dosage form, and technologies of their use to enable development of targeted sales and marketing strategies

Forecasting scenarios from which to base solid strategic business plans

Competitive intelligence for use in benchmarking

## METHODOLOGY

Kline's approach places principal emphasis on primary research techniques to ensure that the foundation of business intelligence and insight is accurate, current, and reliable. Building on our 60-plus years in the business and leveraging our worldwide network of offices, our teams of seasoned professionals draw upon pragmatic industrial and commercial experience to understand and interpret global impacts and local perspectives.

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