

Process Development

Fine Chemicals from Grams
to Kilograms

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Resumo de Process Development: Fine Chemicals from Grams to Kilograms

Process development bridges the gap between the laboratory synthesis of an organic compound and its industrial manufacture on a large scale. This concise and readable text uses real examples and case histories from ICI/ Zeneca Pharmaceuticals to show the problems which may be encountered in scaling up chemical synthesis, and the ways these problems may be overcome.

It shows how it is possible to synthesize multi-kilogram quantities of a new organic compound which has been made in the laboratory only in the milligram scale. A wide range of aliphatic, aromatic, and heterocyclic compounds is covered.

This book will be invaluable both to the research chemist involved in the development phase of novel compounds, and the advanced undergraduate interested in the fine chemicals industry.

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