AN ISO 9001 : 2015 CERTIFIED COMPANY

The Complete Technology Book on Fine Chemicals

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About the Book

Fine chemicals are the chemicals which are produced in comparatively small quantities and in relatively pure state. In chemical technology, a distinction is made between bulk chemicals, which are produced in massive quantities by standardized reactions, and fine chemicals, which are custom produced in smaller quantities for special uses. There is a very large number of fine chemicals that are produced, and thus the chemistries of producing them need to be flexible, whereas the atom economy is not as critical as for bulk chemicals. Some of the examples of fine chemicals are acetazolamide, albendazole, amitriptyline, azithromycin, benzothiazide, captopril, carbamazepine, chloroquine, etc. Owing to the small volume and often changing chemistry, fine chemicals production is more expensive, generates more waste and requires a higher research investment per kilogram. However, fine chemicals are produced in industrial quantities unlike research chemicals, which are produced only in the laboratory. Fine chemicals correspond to a distinct segment of the chemical industry, including low tonnage molecules (typically 10 to 20 Kt.). Pharmaceutical and Biological products, perfumes, photographic chemicals and electronic grade reagents are examples of fine chemicals. High purity reagents (99.999999% pure) are also classified as fine chemicals. Globally, the fine chemicals industry continues to be very fragmented in spite of some consolidation, partly due to the limited impact of economy of scale on the business. While, fine chemicals do offer limited albeit real opportunities for product differentiation, in contrast to commodity chemicals, they are unlike specialities. While, fine chemicals do offer limited albeit real opportunities for product differentiation, in contrast to commodity chemicals, they are unlike specialities, which offer much larger scope for standing out due to an enhanced contribution of technical services and application know how.
This book is a comprehensive reference on one of the most exciting and challenging segments of the modern chemical industry, and a practical guide for developing and succeeding in the multibillion fine chemicals business. Some fundamentals of this book are synonyms, molecular formula and other properties of fine chemicals like albendazole, amitriptyline, azithromycin, benzothiazide, captopril, carbamazepine, chloroquine, etc. This book is an invaluable resource for technologists, professionals and those who want to venture in this field.

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Solubility
Synthesis

172. SULFAMETHOXAZOLE
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
Synthesis

173. SULFASALAZINE
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
Melting Point
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174. SUPEROXIDE DISMUTASE
Synonyms
Therapeutic Category
Note
Synthesis

175. TAXOL
Synonyms
Therapeutic Category
Alkaloid Description

Molecular Formula
Molecular Weight
Melting Point
Spectral Data
Optical Rotation
Synthesis

176. TERBUTALINE
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
Melting Point
Synthesis

177. TETRACYCLINE
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
Synthesis

178. TETRAMISOLE
Synonyms
Molecular Formula
Molecular Weight
Melting Point
Solubility
Synthesis

179. THIACETAZONE
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
Melting Point
Spectral Data
Solubility
Synthesis

180. TIBOLONE
Synonyms
Therapeutic Category
Molecular Formula
Molecular Weight
Melting Point
Synthesis

181. TINIDAZOLE
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
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Synthesis

182. TOLNAFTATE
Synonyms
Therapeutic Category
Molecular Formula
Molecular Weight
Melting Point
Solubility
Synthesis

183. TOLBUTAMIDE
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
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184. TRIMETHOPRIM
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
Melting Point
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185. TRIPROLIDINE
Synonyms
Therapeutic Category
Note
Molecular Formula
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186. TRIAMCINOLONE
Synonyms
Therapeutic Category
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Molecular Formula
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187. TRIAMTERENE
Synonyms
Therapeutic Category
Molecular Formula
Molecular Weight
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Synthesis

188. UBIQUINONE 10
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
Synthesis

189. VALPROIC ACID
Synonyms
Therapeutic Category
Note
Molecular Formula
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Boiling Point
Density
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Solubility
Synthesis

190. VERAPAMIL
Synonyms
Therapeutic Category
Note
Molecular Formula
Molecular Weight
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Refractive Index
Solubility
Synthesis
191. VINBLASTINE
Synonyms
Therapeutic Category
Alkaloid Description
Molecular Formula

Molecular Weight
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Synthesis

192. VINCRISTINE
Synonyms
Therapeutic Category
Alkaloid Description
Molecular Formula
Molecular Weight
Melting Point
Spectral Data
Optical Rotation
Synthesis

193. VINDESINE
Synonyms
Therapeutic Category
Alkaloid Description
Molecul

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NIIR PROJECT CONSULTANCY SERVICES
106-E, Kamla Nagar, New Delhi-110007, India

Email: npcs.india@gmail.com **Website:** https://www.niir.org/