

<<实验室化学品的纯化>>

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内容概要

《实验室化学品的纯化(第5版)》在介绍提纯相关技术(重结晶、干燥、色谱、蒸馏、萃取、衍生物的制备等)基础上,详细介绍了化学品的纯化方法,例如重结晶的溶剂选择,常压和减压蒸馏的沸点,纯化以前的处理手续等。

从粗略纯化到高度纯化都有详细说明,并附参考文献。

给出了几乎所有商品化有机化学品、无机化学品以及生化试剂的基本理化性质和纯化过程,包括名称、CAS登录号、分子量、熔点、沸点、相对密度、溶解性、离子化常数等。

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作者简介

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HYDROCARBONS Adducts Sulfonation CARBOXYLIC ACIDS 4-Bromophenacyl esters Alkyl esters Salts HYDROPEROXIDES KETONES Bisulfite adduct Semicarbazones PHENOLS Benzoates Acetates PHOSPHATE AND PHOSPHONATE ESTERS MISCELLANEOUS GENERAL METHODS FOR THE PURIFICATION OF CLASSES OF COMPOUNDS PROCEDURES CRITERIA OF PURITY GENERAL PROCEDURES FOR THE PURIFICATION OF SOME CLASSES OF ORGANIC COMPOUNDS ACETALS ACIDS Carboxylic acids Sulfonic acids Sulfinic acids ACID CHLORIDES ALCOHOLS Monohydric alcohols Polyhydric alcohols ALDEHYDES AMIDES AMINES AMINO ACIDS ANHYDRIDES CAROTENOIDSESTERS ETHERS HALIDES HYDROCARBONS IMIDES IMINO COMPOUNDS KETONES MACROMOLECULES NITRILES NITRO COMPOUNDS NUCLEIC ACIDS PHENOLS POLYPEPTIDES AND PROTEINS QUINONES SALTS (ORGANIC) With metal ions With organic cations With sodium alkane sulfonates SULFUR COMPOUNDS Disulfides Sulfones Sulfoxides Thioethers Thiols Thiolsulfonates (disulfoxides) BIBLIOGRAPHY CHAPTER 3 THE FUTURE OF PURIFICATION INTRODUCTION SOLID PHASE SYNTHESIS SOLID PHASE PEPTIDE SYNTHESIS (SPPS) SOLID PHASE DEOXYRIBONUCLEOTIDE SYNTHESIS SOLID PHASE OLIGOSACCHARIDE SYNTHESIS SOLID PHASE ORGANIC SYNTHESIS (SPOS) POLYMER SUPPORTED REACTANT SCAVENGER RESINS RESIN SUPPORT CHOICE OF RESIN FOR SPOSCOMBINATORIAL CHEMISTRY MONITORING SOLID PHASE REACTIONS Infra red analysis of resin Qualitative and quantitative analyses DETECTION OF REACTIVE GROUPS ON RESINS Detection of hydroxy groups on resin Detection of aldehyde groups on resin Detection of carboxy groups on resin Detection of amino groups on resin Detection of thiol groups on resin Fmoc assay IONIC LIQUIDS FLUOROUS CHEMISTRY BIBLIOGRAPHY CHAPTER 4 PURIFICATION OF ORGANIC CHEMICALS CHAPTER 5 PURIFICATION OF INORGANIC AND METAL ORGANIC CHEMICALS (Including Organic compounds of B, Bi, P, Se, Si, and ammonium and metal salts of organic acids) CHAPTER 6 PURIFICATION OF BIOCHEMICALS AND RELATED PRODUCTS GENERAL SUBJECT INDEX CAS REGISTRY NUMBERS INDEX

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编辑推荐

《实验室化学品的纯化(第5版)》是广大实验室工作人员必备的工具书。

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