

Volker Schurig
Editor

Differentiation of Enantiomers I

With contributions by

A. Ciogli · J. Gal · F. Gasparrini · H. Iida · D. Kotoni ·
Y. Okamoto · M. Pierini · C. Roussel · V. Schurig ·
G.K.E. Scriba · N. Vanthuyne · C. Villani · E. Yashima

 Springer

Contents

Molecular Chirality: Language, History, and Significance	1
Joseph Gal	
Terms for the Quantitation of a Mixture of Stereoisomers	21
Volker Schurig	
Enantiomeric Differentiation by Synthetic Helical Polymers	41
Eiji Yashima, Hiroki Iida, and Yoshio Okamoto	
Chiral Supramolecular Selectors for Enantiomer Differentiation in Liquid Chromatography	73
Alessia Cioqli, Dorina Kotoni, Francesco Gasparrini, Marco Pierini, and Claudio Villani	
Chiroptical Detectors for the Study of Unusual Phenomena in Chiral Chromatography	107
Nicolas Vanthuyne and Christian Roussel	
Salient Features of Enantioselective Gas Chromatography: The Enantiomeric Differentiation of Chiral Inhalation Anesthetics as a Representative Methodological Case in Point	153
Volker Schurig	
Differentiation of Enantiomers by Capillary Electrophoresis	209
Gerhard K.E. Scriba	
Index	277