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Joseph Barendt

Chiral Technologies, Inc., USA

Modern techniques for enantiomeric separation: From grams to tons

With ever-increasing complexity in pharmaceutical products, and the need for enantiomerically pure materials, today's chemists are moving toward a "toolbox" approach in their research. The best toolboxes are those with the broadest range of tools to ensure that the every job can be completed. This presentation will use several case studies to explore various tools at the disposal of chemists seeking single enantiomers. Further, we will consider the unique constraints at every stage of the pharmaceutical process to better understand the proper selection of these tools from discovery through clinical trials.

Biography

Joseph Barendt earned his PhD in Chemistry at the University of Colorado, Boulder, followed by Postdoctoral work at UCLA. His career has been devoted to applying interdisciplinary technologies to improve organic synthetic routes for pharmaceutical products. Among his earlier accomplishments are the first commercial launches of enantioselective reducing agents and catalysts for the industry. In his current role as Chief Operating Officer of Chiral Technologies, he is responsible for all aspects of chiral chromatography, including analytical, kilo-lab separations, and metric ton quantities.

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