
CONTENTS

INHALT

SOMMAIRE

Prozess Chemistry

EDITORIAL

- 516 Process Chemistry in API Development
H.-R. Marti, J.S. Siegel
- 518 Early Process Development: The Wyeth Approach
M.K. O'Brien, M. Kolb*, K. Sutherland, K. McCoy, A. Pilcher*
- 523 Process Development for Active Pharmaceutical Ingredients Following a Developmental Cascade
*C. Adler, J. Brunner, C. Fichtner, P. Küng, M.K. Levis, H.-R. Ruchti, A. Sjöberg, B. Weber**
- 530 Process Development and Production Concepts for the Manufacturing of Organic Fine Chemicals at LONZA
G. Heckmann, F. Previdoli, T. Riedel, D. Ruppen, D. Veghini, U. Zacher*
- 534 Laboratory for Process Research – Ten Years of Successful Partnership between University of Zurich and the Pharmaceutical Industry
T. Bader
- 543 A General Approach to Indoles: Practical Applications for the Synthesis of Highly Functionalized Pharmacophores
J.T. Kuethe
- 554 Process Research and Scale-up of the κ -Opioid Receptor Agonist CJ-15,161 Drug Candidate
B.M. Andresen, S. Caron, M. Couturier, K.M. DeVries, N.M. Do, K. Dupont-Gaudet, A. Ghosh*, M. Girardin, J.M. Hawkins, T.M. Makowski, M. Riou, J.E. Sieser, J.L. Tucker, B.C. Vanderplas, T.J.N. Watson*
- 561 With Asymmetric Hydrogenation Towards a New, Enantioselective Synthesis of Orlistat
R. Birk, M. Karpf, K. Püntener, M. Scalone, M. Schwindt, U. Zutter*
- 566 The Formation of a Crystalline Oxazolidin-5-one from (L)-Alanine and its Use as a Chiral Template in the Practical Synthesis of α -Substituted Alanine Esters
M. Eriksson, E. Napolitano, J. Xu, S. Kapadia, D. Byrne, L. Nummy, N. Grinberg, S. Shen, H. Lee, V. Farina*
- 574 Recent Optimization Highlights of the Georgywood Process
*J.-P. Barras, B. Bourdin, F. Schröder**
- 580 An Asymmetric Synthesis of PPAR- γ Agonist Navaglitazar from (+)-Methyl (2S,3R)-3-(4-methoxyphenyl)glycidate
*J.R. Rizzo T.Y. Zhang**
- 584 The Chemical Development of CHIR-258
S. Zhu, E. Harwood, S. Cai, X. Shang, G. Galvin, L. Jin, A. Yeung, B. Diaz, M. Zheng, D. Ryckman*
- 593 An Improved Process for Repaglinide *via* an Efficient and One Pot Process of (1S)-3-methyl-1-(2-piperidin-1-ylphenyl)butan-1-amine – A Useful Intermediate
*N. Kolla, C.R. Elati, P.J. Vankawala, S. Gangula, E. Sajja, Y. Anjaneyulu, A. Bhattacharya, V. Sundaram, V.T. Mathad**
- 598 The Development of API Manufacturing Processes – Targets and Strategies
D. Wieckhusen
- 605 Data-Oriented Process Development: Determination of Reaction Parameters by Small-Scale Calorimetry with *in situ* Spectroscopy
*G. Puxty, U. Fischer, M. Jecklin, K. Hungerbühler**

- 611 Cost Analysis of a Commercial Manufacturing Process of a Fine Chemical Compound using Micro Process Engineering
U. Krtschil, V. Hessel, D. Kralisch, G. Kreisel, M. Küpper, R. Schenk*
- 618 Continuous Chemistry in Microreaction Systems for Practical Use
*G. Müller, T. Gaupp, F. Wahl, G. Wille**
- 623 Simulated Moving Bed Technology for the Industrial Small and Mid Scale Separation of Racemates
P. Kaiser
- 628 Process Research in the Ivory Tower
N.S. Finney

HIGHLIGHTS OF ANALYTICAL CHEMISTRY IN SWITZERLAND

- 631 Using Bacteria to Quantify Arsenic Contamination in Potable Water
J.R. van der Meer, M. Berg, P.T.K. Trang*

PREISAUSSCHREIBUNG / MIS AU CONCOURS

- 632 SCG: Ausschreibung für die Verleihung 2007 / SSC: Mis au concours pour 2007

SCG/SSC/SCS

- 633 Ausserordentliche Generalversammlung der SCG / Assemblée générale extraordinaire de la SSC

INFORMATION

- 634 News
634 Lectures
635 Congresses – Conferences – Workshops

CHIMIA-REPORT

- 636 Markt, Apparate, Chemikalien und Dienstleistungen