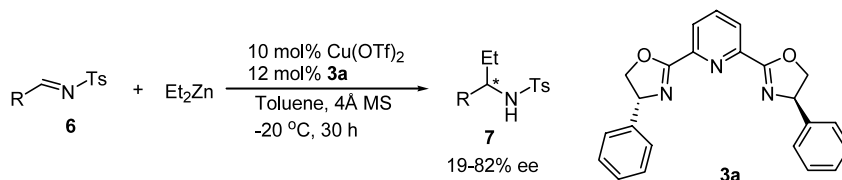


The enantioselective diethylzinc addition to imines catalyzed by chiral Cu(II)–oxazoline complexes

Tetrahedron: Asymmetry 14 (2003) 3819

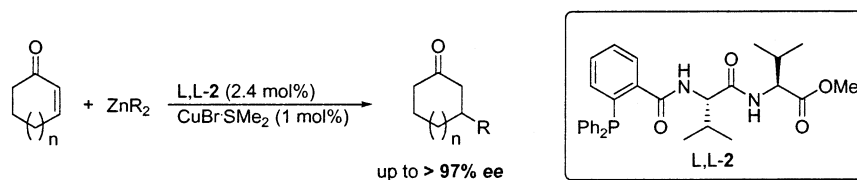
Xin Li, Lin-Feng Cun, Liu-Zhu Gong,* Ai-Qiao Mi* and Yao-Zhong Jiang

Key Laboratory for Asymmetric Synthesis and Chirrotechnology of Sichuan Province, Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences, Chengdu 610041, China


Copper-catalyzed enantioselective conjugate addition of dialkylzinc reagents to enones with new peptidyl phosphane ligands

Tetrahedron: Asymmetry 14 (2003) 3823

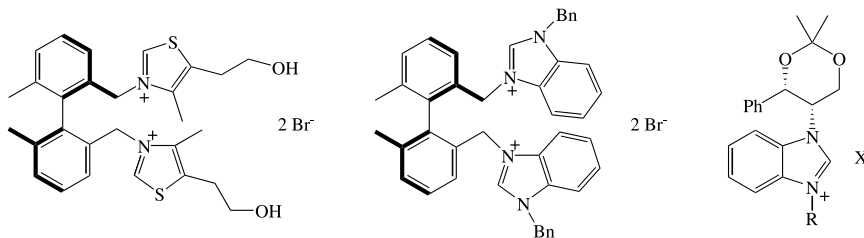
Bernhard Breit* and Andy Ch. Laungani

Institut für Organische Chemie und Biochemie, Albert-Ludwigs-Universität Freiburg i. Br., 79104 Freiburg i. Br., Germany


Synthesis of new enantiomerically pure C_1 - and C_2 -symmetric N -alkyl-benzimidazolium and thiazolium salts

Tetrahedron: Asymmetry 14 (2003) 3827

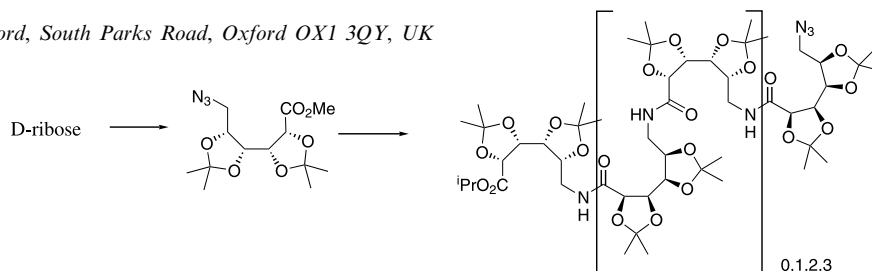
Simonetta Orlandi, Marinella Caporale, Maurizio Benaglia* and Rita Annunziata

Dipartimento di Chimica Organica e Industriale, Università degli Studi di Milano, Via Golgi 19, I 20133 Milano, Italy


Towards hydroxylated nylon 6: oligomers from a protected 6-amino-6-deoxy-D-allonate

Tetrahedron: Asymmetry 14 (2003) 3831

Darren F. A. Hunter and George W. J. Fleet*

Dyson Perrins Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QY, UK


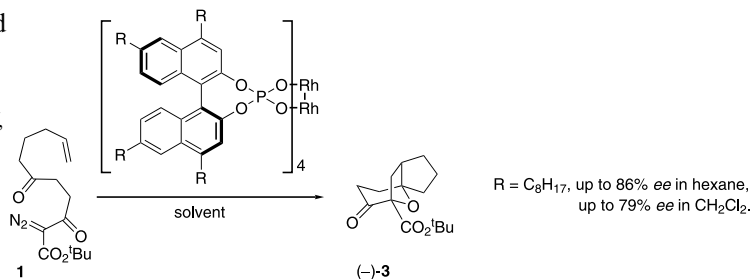
Synthesis and evaluation of 4,4',6,6'-tetrasubstituted binaphtholphosphate dirhodium(II) complexes as catalysts in enantioselective carbonyl ylide formation–cycloaddition reactions

Tetrahedron: Asymmetry 14 (2003) 3841

David M. Hodgson,^{a,*} Deborah A. Selden^a and Alexander G. Dossetter^b

^aDyson Perrins Laboratory, Department of Chemistry, University of Oxford, South Parks Road, Oxford OX1 3QY, UK

^bAstraZeneca, Mereside, Alderley Park, Macclesfield, Cheshire SK10 4TG, UK

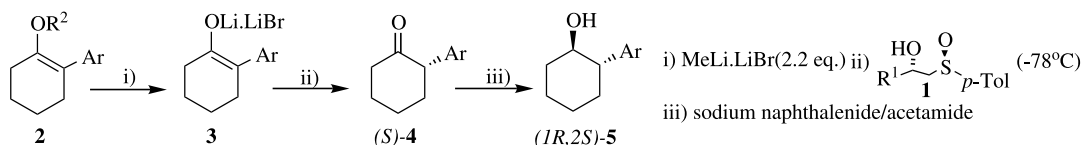


Synthesis of an enantiopure 2-arylcyclohexanols from prochiral enol acetates by an enantioselective protonation/diastereoselective reduction sequence

Tetrahedron: Asymmetry 14 (2003) 3851

Gregorio Asensio,* Ana Cuenca, Nuria Rodriguez and Mercedes Medio-Simón

Departamento de Química Orgánica, Universidad de Valencia, Avda Vicent Andres Estelles 46100, Burjassot, Spain



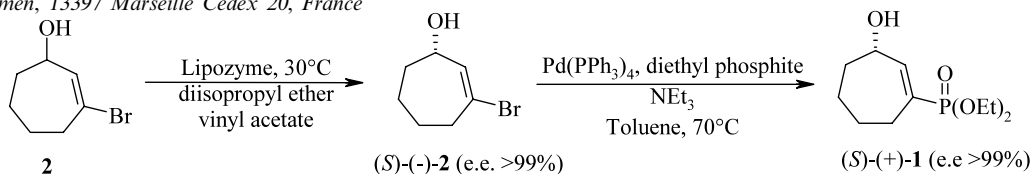
Enzymatic resolution of 3-bromo-cyclohept-2-enol: application to the determination of the absolute configuration of diethyl (3-hydroxy-cyclohept-1-enyl)phosphonate

Tetrahedron: Asymmetry 14 (2003) 3857

Mireille Attolini,^a Gilles Iacazio,^b Gilbert Peiffer^a and Michel Maffei^{a,*}

^aLaboratoire des Organo-Phosphorés (U.M.R. 6009 du CNRS), B.P. 552, Faculté de Saint Jérôme, Avenue Escadrille Normandie-Niemen, 13397 Marseille Cedex 20, France

^bLaboratoire de Bioinorganique Structurale (U.M.R. 6517 du CNRS), B.P. 432, Faculté de Saint Jérôme, Avenue Escadrille Normandie-Niemen, 13397 Marseille Cedex 20, France

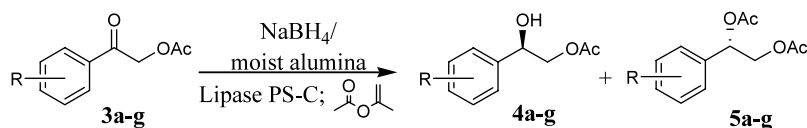


Chemoenzymatic synthesis of enantiomerically pure terminal 1,2-diols

Tetrahedron: Asymmetry 14 (2003) 3861

Ahmed Kamal,* Mahendra Sandbhor, Kaleem Ahmed, S. F. Adil and Ahmad Ali Shaik

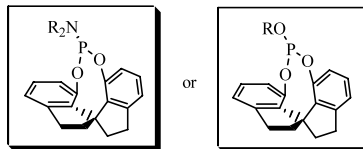
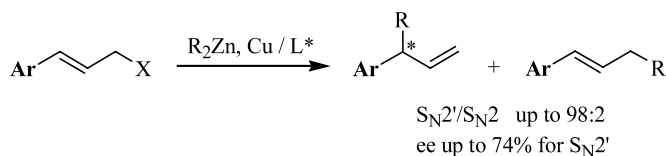
Biotransformation Laboratory, Division of Organic Chemistry, Indian Institute of Chemical Technology, Hyderabad 500 007, India



Highly regioselective asymmetric copper-catalyzed allylic alkylation with dialkylzincs using monodentate chiral spiro phosphoramidite and phosphite ligands

Wen-Jian Shi, Li-Xin Wang, Yu Fu, Shou-Fei Zhu and Qi-Lin Zhou*

State Key Laboratory and Institute of Elemento-organic Chemistry, Nankai University, Tianjin 300071, China

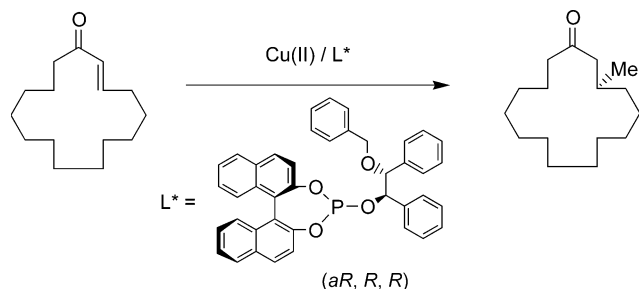


Tetrahedron: Asymmetry 14 (2003) 3867

Catalytic enantioselective conjugate addition of dialkyl zinc reagents to α,β -unsaturated ketones mediated by new phosphite ligands containing binaphthalene/1,2-diphenylethane moieties: a practical synthesis of (*R*)-(-)-muscone

Patrizia Scafato, Stefania Labano, Giovanni Cunsolo and Carlo Rosini*

Dipartimento di Chimica, Università della Basilicata,
via Nazario Sauro 85, 85100 Potenza, Italy



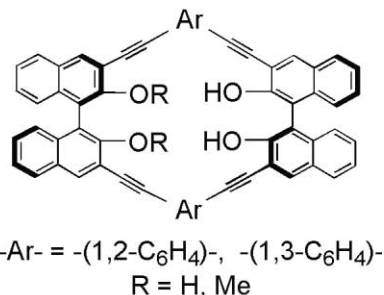
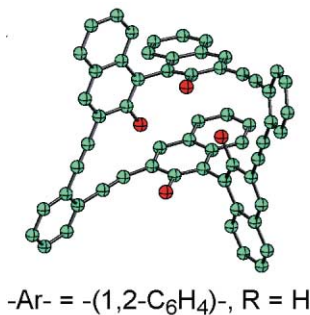
Tetrahedron: Asymmetry 14 (2003) 3873

Asymmetric synthesis of macrocyclic binaphthol dimers using a Sonogashira coupling reaction

Toshiro Harada,^{a,*} Shin-ichiro Matsui,^a
Tran Mai Thi Tuyet,^a Masanori Hatsuda,^a
Shinji Ueda,^a Akira Oku^a and Motoo Shiro^b

^aDepartment of Chemistry and Materials Technology,
Kyoto Institute of Technology, Matsugasaki, Sakyo-ku,
Kyoto 606-8585, Japan

^bRigaku Corporation, Matsubara-cho 3-91-12, Akishima,
Tokyo 196-0003, Japan



Tetrahedron: Asymmetry 14 (2003) 3879

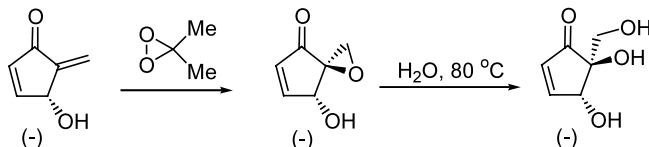
Chemo-enzymatic synthesis of (-)-epipentenomycin I

Tawesin Klomklao,^a Stephen G. Pyne,^{b,*} Apiwat Baramée,^a
Brian W. Skelton^c and Allan H. White^c

^aDepartment of Chemistry, Chiang Mai University, Chiang Mai 50202, Thailand

^bDepartment of Chemistry, University of Wollongong, Wollongong, NSW, 2522, Australia

^cDepartment of Chemistry, University of Western Australia, Crawley, WA, 6009, Australia



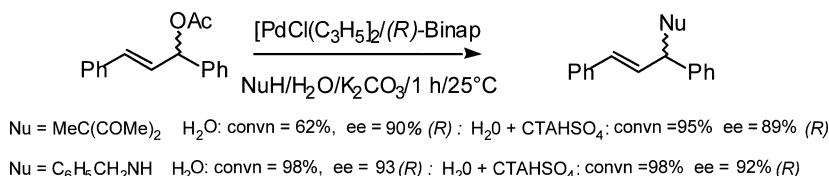
Tetrahedron: Asymmetry 14 (2003) 3885

Catalytic asymmetric alkylation in water in the presence of surfactants: influence of the nature of the nucleophile and the allylic acetate on the activity and enantioselectivity

Tetrahedron: Asymmetry 14 (2003) 3891

Cedric Rabeyrin and Denis Sinou*

Laboratoire de Synthèse Asymétrique, associé au CNRS, CPE Lyon, Université Claude Bernard Lyon 1, 43, boulevard du 11 novembre 1918, 69622 Villeurbanne Cédex, France



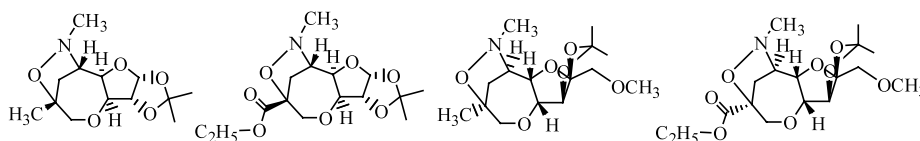
Highly stereoselective synthesis of furano-oxepanes: intramolecular nitronc cycloaddition (INC) reactions on sugar derived 2-substituted allylic ethers

Tetrahedron: Asymmetry 14 (2003) 3899

G. V. M. Sharma,^{a,*} Asra Begum,^a K. Ravinder Reddy,^a A. Ravi Sankar^b and A. C. Kunwar^b

^aD-211, Discovery Laboratory, Organic Chemistry Division-III, Indian Institute of Chemical Technology, Hyderabad 500 007, India

^bNMR Group, Indian Institute of Chemical Technology, Hyderabad 500 007, India

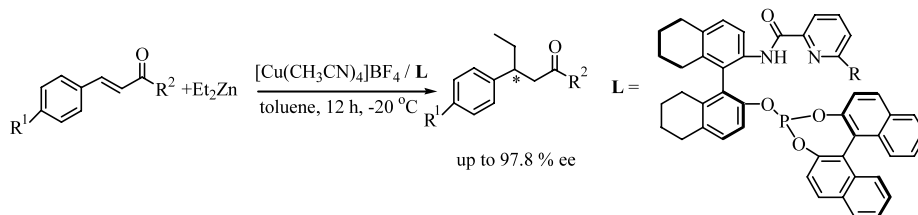


Highly enantioselective 1,4-conjugate addition of diethylzinc to acyclic enones with chiral phosphite-pyridine ligands derived from H₈-NOBIN

Tetrahedron: Asymmetry 14 (2003) 3907

Yuan Chun Hu, Xinmiao Liang, Junwei Wang, Zhuo Zheng and Xinquan Hu*

Dalian Institute of Chemical Physics,
the Chinese Academy of Sciences,
Dalian 116023, PR China

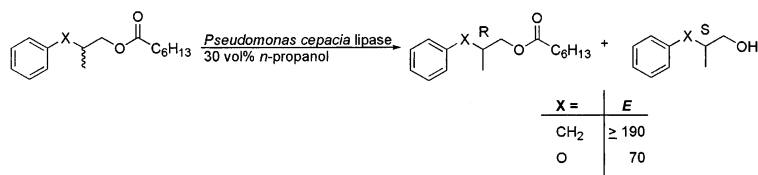


Highly enantioselective kinetic resolution of primary alcohols of the type Ph-X-CH(CH₃)-CH₂OH by *Pseudomonas cepacia* lipase: effect of acyl chain length and solvent

Tetrahedron: Asymmetry 14 (2003) 3917

Alessandra Mezzetti, Curtis Keith and Romas J. Kazlauskas*

Department of Chemistry, McGill University, 801 Sherbrooke Street West, Montréal, Québec, Canada H3A 2K6

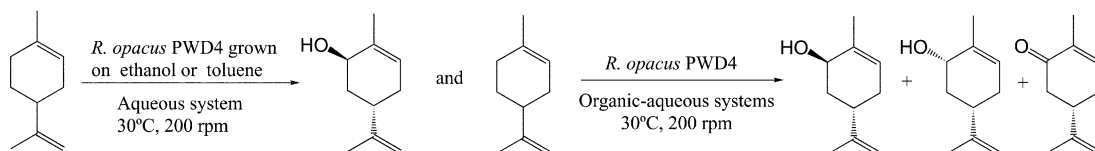


Towards the bio-production of *trans*-carveol and carveone from limonene: induction after cell growth on limonene and toluene

Carla C. C. R. de Carvalho and M. Manuela R. da Fonseca*

Centro de Engenharia Biológica e Química, Instituto Superior Técnico, Av. Rovisco Pais, 1049-001 Lisboa, Portugal

Tetrahedron: Asymmetry 14 (2003) 3925

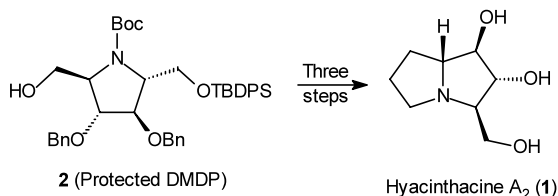


Polyhydroxylated pyrrolizidines. Part 3: A new and short enantiospecific synthesis of (+)-hyacinthacine A₂

Isidoro Izquierdo,* María T. Plaza and Francisco Franco

Department of Medicinal and Organic Chemistry, Faculty of Pharmacy, University of Granada, Granada 18071, Spain

Tetrahedron: Asymmetry 14 (2003) 3933

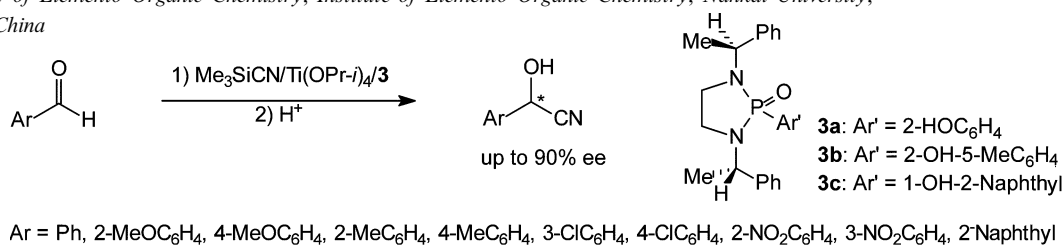


Synthesis of some new chiral cyclic *o*-hydroxylarylphosphonodiamides as ligands for asymmetric silylcyanation of aromatic aldehydes

Zhuohong Yang, Zhenghong Zhou,* Ke He, Lixin Wang, Guofeng Zhao, Qilin Zhou and Chuchi Tang*

State Key Laboratory of Elemento-Organic Chemistry, Institute of Elemento-Organic Chemistry, Nankai University, Tianjin 300071, PR China

Tetrahedron: Asymmetry 14 (2003) 3937



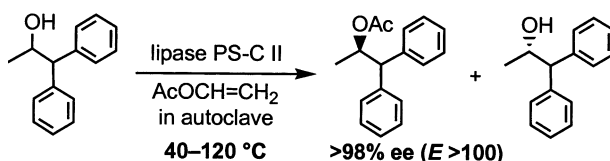
Ar = Ph, 2-MeOC₆H₄, 4-MeOC₆H₄, 2-MeC₆H₄, 4-MeC₆H₄, 3-ClC₆H₄, 4-ClC₆H₄, 2-NO₂C₆H₄, 3-NO₂C₆H₄, 2-Naphthyl

Highly enantioselective lipase-catalyzed reactions at high temperatures up to 120°C in organic solvent

Tadashi Ema,* Masafumi Kageyama, Toshinobu Korenaga and Takashi Sakai*

Department of Applied Chemistry, Faculty of Engineering, Okayama University, Tsushima, Okayama 700-8530, Japan

Tetrahedron: Asymmetry 14 (2003) 3943



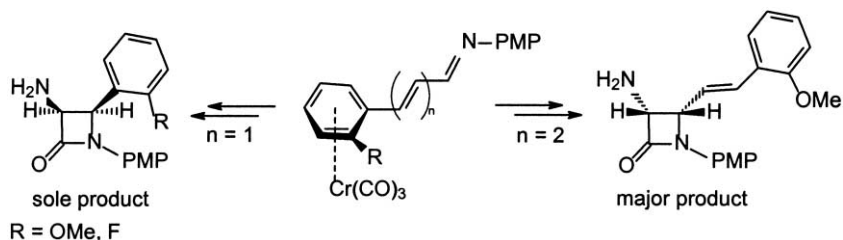
Stereoselective synthesis of 3-amino-4-substituted-2-azetidinones via [2+2] cycloadditions of tricarbonyl(η^6 arene)chromium(0)-complexed imines

Tetrahedron: Asymmetry 14 (2003) 3949

Paola Del Buttero,^{a,*} Giorgio Molteni^a and Antonio Papagni^b

^aUniversità degli Studi di Milano, Dipartimento di Chimica Organica e Industriale, Via Golgi 19, 20133 Milano, Italy

^bUniversità degli Studi di Milano-Bicocca, Dipartimento di Scienze dei Materiali, Via Cozzi 53, 20125 Milano, Italy

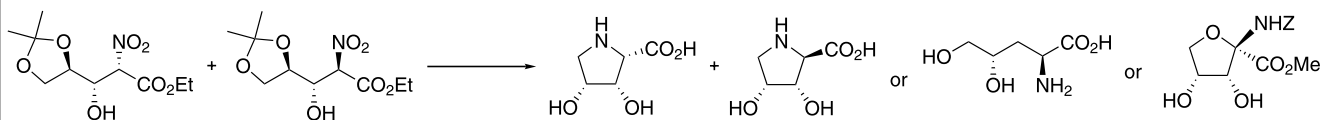


Total synthesis of 3,4-dihydroxyprolines, D-threo-L-norvaline and (2S,3R,4R)-2-amino-3,4-dihydroxytetrahydrofuran-2-carboxylic acid methyl ester

Tetrahedron: Asymmetry 14 (2003) 3955

Raquel G. Soengas, Juan C. Estévez and Ramón J. Estévez*

Departamento de Química Orgánica, Universidade de Santiago, 15782 Santiago de Compostela, Spain



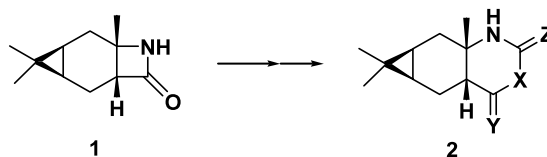
Synthesis and transformation of novel cyclic β -amino acid derivatives from (+)-3-carene

Tetrahedron: Asymmetry 14 (2003) 3965

Szilvia Gyónfalvi, Zsolt Szakonyi and Ferenc Fülöp*

Institute of Pharmaceutical Chemistry, University of Szeged, H-6701 Szeged, POB 121, Hungary

Regio- and stereoselective addition of chlorosulfonyl isocyanate to (+)-carene resulted in enantiomerically pure β -lactam **1**, which, after Boc activation, was transformed to alicycle-fused 1,3-heterocycles **2** via the corresponding β -amino acid derivatives.



(-)-Daucic acid: Proof of D-lyxo configuration, synthesis of its D-ribo, D-xylo, L-arabino and L-lyxo analogs, and biosynthetic implications

Tetrahedron: Asymmetry 14 (2003) 3973

Frieder W. Lichtenthaler,* Jürgen Klotz and Katsumi Nakamura

Clemens-Schöpf-Institut für Organische Chemie und Biochemie, Technische Universität Darmstadt, D-64287 Darmstadt, Germany

