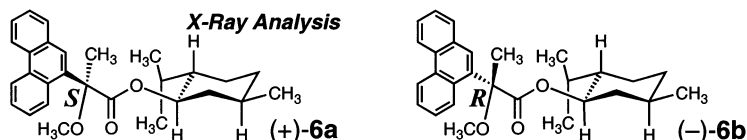


Synthesis and analytical properties of (*S*)-(+)-2-methoxy-2-(9-phenanthryl)propionic acid

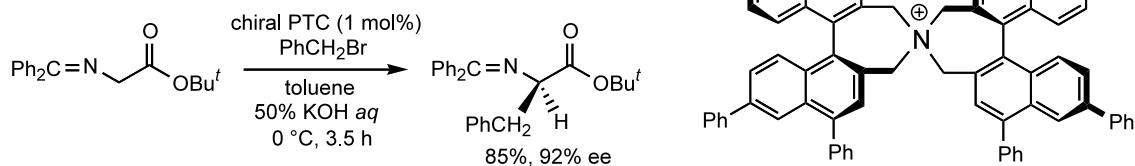
Tetrahedron: Asymmetry 14 (2003) 1593
Akio Ichikawa,^{a,*} Hiroshi Ono^b and Nobuyuki Harada^{c,*}^aNational Institute of Agrobiological Sciences, 1-2 Owashi, Tsukuba, Ibaraki 305-8634, Japan^bNational Food Research Institute, 2-1-12 Kannondai, Tsukuba, Ibaraki 305-8642, Japan^cInstitute of Multidisciplinary Research for Advanced Materials, Tohoku University, 2-1-1 Katahira, Aoba, Sendai 980-8577, Japan

Symmetrical 4,4',6,6'-tetraarylbinaphthyl-substituted ammonium bromide as a new, chiral phase-transfer catalyst

Tetrahedron: Asymmetry 14 (2003) 1599

Takuya Hashimoto, Youhei Tanaka and Keiji Maruoka*

Department of Chemistry, Graduate School of Science, Kyoto University, Kyoto 606-8502, Japan

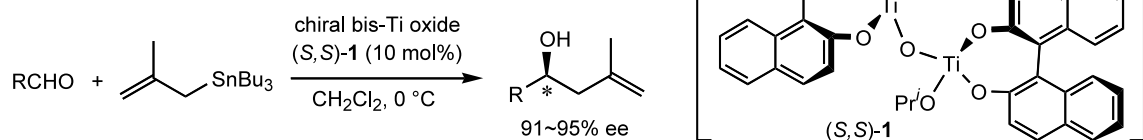


Catalytic asymmetric methallylation and propargylation of aldehydes with bis((*S*)-binaphthoxy)(isopropoxy)titanium oxide

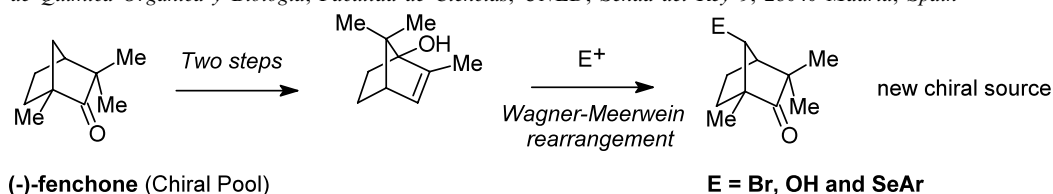
Tetrahedron: Asymmetry 14 (2003) 1603

Shunsuke Konishi, Hideo Hanawa and Keiji Maruoka*

Department of Chemistry, Graduate School of Science, Kyoto University, Kyoto 606-8502, Japan



First access to enantiopure C(7)-substituted fenchones: new norbornane-based chiral materials from the chiral pool

Tetrahedron: Asymmetry 14 (2003) 1607
Antonio García Martínez,^{a,*} Enrique Teso Vilar,^b Amelia García Fraile,^b Santiago de la Moya Cerero^{a,*} and Beatriz Lora Maroto^b^aDepartamento de Química Orgánica, Fac. de Cc. Químicas, Universidad Complutense de Madrid (UCM), 28040 Madrid, Spain^bDepartamento de Química Orgánica y Biología, Facultad de Ciencias, UNED, Senda del Rey 9, 28040 Madrid, Spain

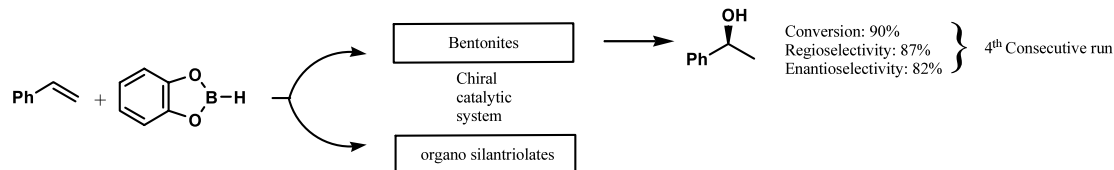
Efficiency of natural bentonite versus synthetic organo-(bis-silantriolates) as supports towards the heterogenisation of asymmetric hydroboration

Tetrahedron: Asymmetry 14 (2003) 1611

Anna M. Segarra,^a Francesc Guirado,^b Carmen Claver^a and Elena Fernandez^{a,*}

^aDepartament de Química Física i Inorgànica, Universitat Rovira i Virgili, Pça. Imperial Tàrraco 1, 43005 Tarragona, Spain

^bServei de Recursos Científics i Tècnics, Universitat Rovira i Virgili, Pça. Imperial Tàrraco 1, 43005 Tarragona, Spain

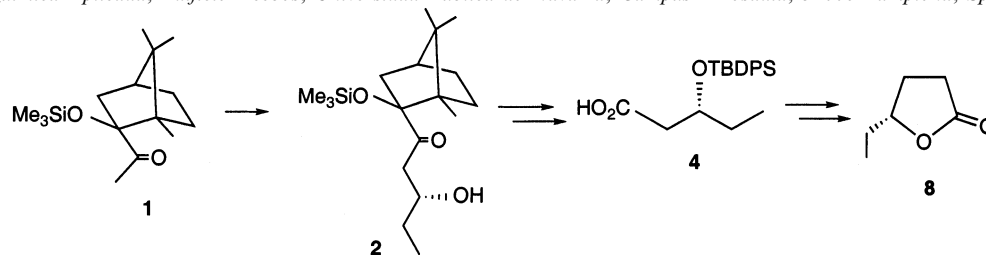


Asymmetric synthesis of (*R*)-4-hexanolide, the pheromone of *Trogoderma glabrum*

Tetrahedron: Asymmetry 14 (2003) 1617

Elena Arceo, José M. Odriozola, Jesús M. García, Alberto González and Pilar Gil*

Departamento Química Aplicada, Edificio Acebos, Universidad Pública de Navarra, Campus Arrosadía, 31006 Pamplona, Spain

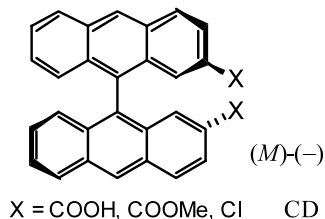


Experimental and theoretical investigations of absolute stereochemistry and chiroptical properties of enantiopure 2,2'-substituted 9,9'-bianthryls

Tetrahedron: Asymmetry 14 (2004) 1623

Shinji Toyota,* Toshiaki Shimasaki, Naoki Tanifuji and Kan Wakamatsu

Department of Chemistry, Faculty of Science, Okayama University of Science, Ridaicho, Okayama 700-0005, Japan



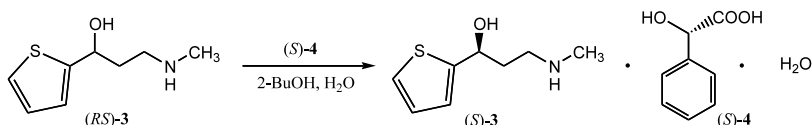
Resolution of 3-(methylamino)-1-(2-thienyl)propan-1-ol, a new key intermediate for duloxetine, with (*S*)-mandelic acid

Tetrahedron: Asymmetry 14 (2003) 1631

Kenichi Sakai,^{a,*} Rumiko Sakurai,^a Atsushi Yuzawa,^a Yuka Kobayashi^b and Kazuhiko Saigo^b

^aR & D Division, Yamakawa Chemical Industry Co., Ltd, Kitaibaraki 319-1541, Japan

^bDepartment of Chemistry and Biotechnology, Graduate School of Engineering, The University of Tokyo, Tokyo 113-8656, Japan

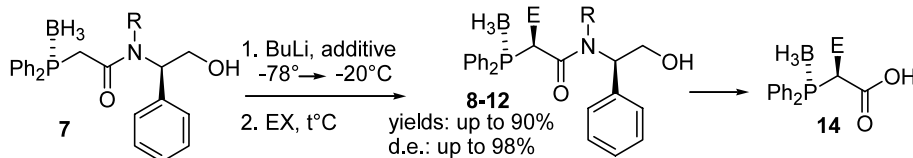


Diastereoselective synthesis of chiral non-racemic 2-substituted 2-boranatophosphino ethanoic acid: a potential intermediate to chiral ligands for asymmetric catalysis

Tetrahedron: Asymmetry 14 (2003) 1637

Jean-Philippe Ebran, Philippe Jubault,* Xavier Pannecoucke* and Jean-Charles Quirion

Laboratoire d'Hétérochimie Organique associé au CNRS, IRCOF, INSA et Université de Rouen, 1 rue Tesnière, 76821 Mont Saint-Aignan Cedex, France

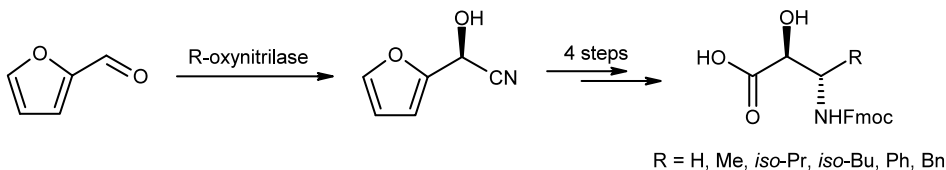


Synthesis of Fmoc-protected (2*S*,3*S*)-2-hydroxy-3-amino acids from a furyl substituted chiral cyanohydrin

Tetrahedron: Asymmetry 14 (2003) 1645

Reynier A. Tromp, Michael van der Hoeven, Alessia Amore, Johannes Brussee,* Mark Overhand, Gijis A. van der Marel and Arne van der Gen

Leiden Institute of Chemistry, Gorlaeus Laboratories, Leiden University, PO Box 9502, 2300 RA, Leiden, The Netherlands



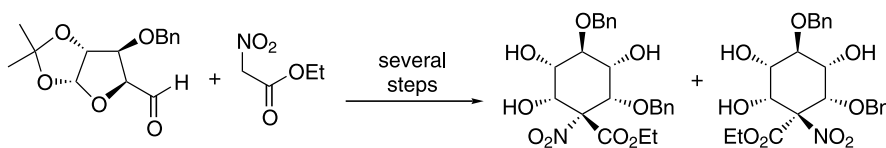
Synthesis of polyhydroxylated α -nitrocyclohexane carboxylic acids derived from D-glucose: a striking case of racemization

Tetrahedron: Asymmetry 14 (2003) 1653

Raquel G. Soengas,^a Juan C. Estévez,^a Ramón J. Estévez^{a,*} and Miguel A. Maestro^b

^aDepartamento de Química Orgánica, Universidade de Santiago, 15782 Santiago de Compostela, Spain

^bServicios Xerais de Apoio á Investigación, Universidade de A Coruña, 15071 A Coruña, Spain

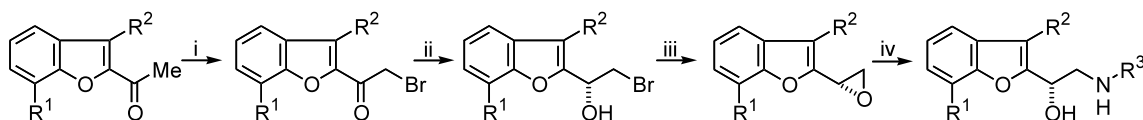


Asymmetric synthesis of (S)-bufuralol and a propafenone analogue

Tetrahedron: Asymmetry 14 (2003) 1659

Marek Zaidlewicz,* Agnieszka Tafelska-Kaczmarek, Andrzej Prewysz-Kwinto and Aldona Chechłowska

Department of Chemistry, Nicolaus Copernicus University, 87-100 Toruń, Poland



(S)-1: R¹ = Et; R² = H; R³ = *t*-Bu. (S)-2: R¹ = H; R² = CH₂CH₂Ph; R³ = *n*-Pr
(i) C₅H₆NBr₃, AcOH; (ii) (-)-DIP-Cl, THF; (iii) NaH, THF; (iv) R³NH₂

(S)-1, 87% ee
(S)-2, 73% ee

A short entry to novel C(2)-methyl branched 4a-carbafuranoses

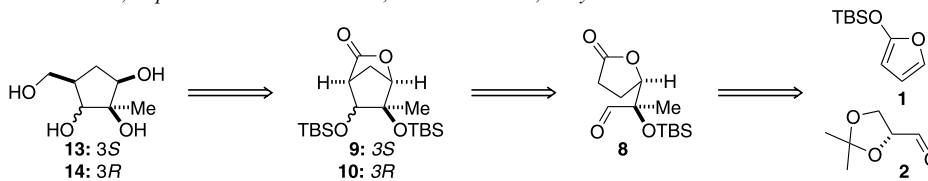
Tetrahedron: Asymmetry 14 (2003) 1665

Gloria Rassu,^{a,*} Luciana Auzzas,^a Vincenzo Zambrano,^b
Paola Burreddu,^b Lucia Battistini^c and Claudio Curti^c

^aCNR, Istituto di Chimica Biomolecolare-Sezione di Sassari, I-07100 Sassari, Italy

^bUniversità degli Studi di Sassari, Dipartimento di Chimica, I-07100 Sassari, Italy

^cUniversità degli Studi di Parma, Dipartimento Farmaceutico, I-43100 Parma, Italy

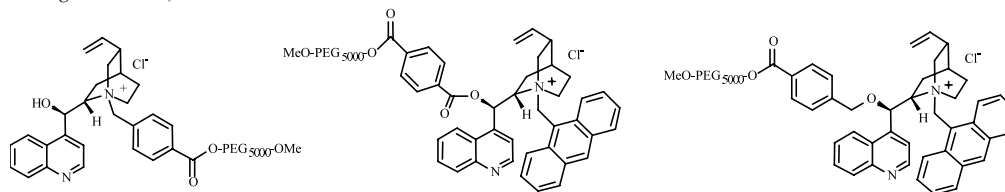


Poly(ethylene glycol) supported *cinchona* alkaloids as phase transfer catalysts: application to the enantioselective synthesis of α -amino acids

Tetrahedron: Asymmetry 14 (2003) 1671

Baptiste Thierry, Jean-Christophe Plaquevent and Dominique Cahard*

UMR 6014 CNRS de l'Institut de Recherche en Chimie Organique Fine (IRCOF), Université de Rouen,
76821 Mont Saint-Aignan Cedex, France

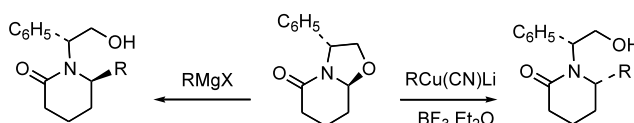


Stereoselective α -amidoalkylation reactions of phenylglycinol-derived bicyclic lactams

Tetrahedron: Asymmetry 14 (2003) 1679

Mercedes Amat,* Carmen Escolano, Núria Llor, Marta Huguet, Maria Pérez and Joan Bosch*

Laboratory of Organic Chemistry, Faculty of Pharmacy, University of Barcelona, 08028 Barcelona, Spain



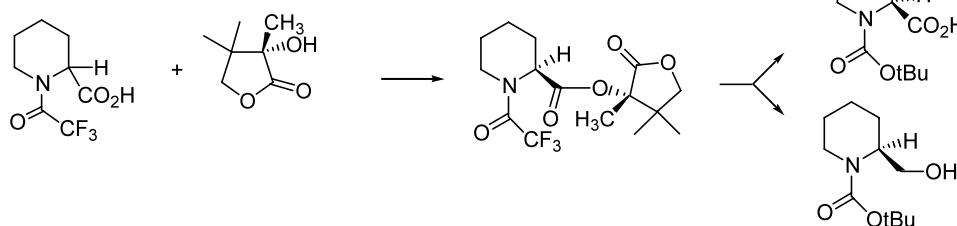
Diastereoselective esterification of (\pm)-*N*-trifluoroacetyl piperocolic acid using (*S*)- α -methyl pantolactone: synthesis of (*S*)-*N*-Boc piperocolic acid and (*S*)-*N*-Boc-2-piperidinemethanol

Tetrahedron: Asymmetry 14 (2003) 1685

Monique Calmès,* Françoise Escale, Marc Rolland and Jean Martinez

Laboratoire des Aminoacides, Peptides et Protéines, UMR-CNRS 5810-Universités Montpellier I et II, UM II,
Place E. Bataillon,

34095 Montpellier cedex 5, France



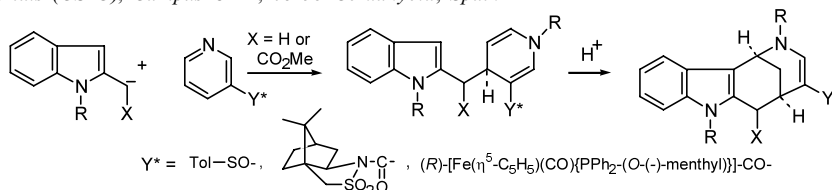
Asymmetric synthesis of tetracyclic substructures of *Strychnos* indole alkaloids

Tetrahedron: Asymmetry 14 (2003) 1691

Mercedes Amat,^{a,*} M.-Dolors Coll,^a Núria Llor,^a Carmen Escolano,^a Elies Molins,^b Carles Miravittles^b and Joan Bosch^{a,*}

^aLaboratory of Organic Chemistry, Faculty of Pharmacy, University of Barcelona, 08028 Barcelona, Spain

^bInstitut de Ciència de Materials (CSIC), Campus UAB, 08193 Cerdanyola, Spain



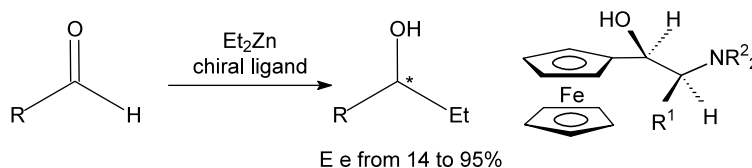
Chiral ferrocenyl amino alcohols for enantioselective additions of diethylzinc to aldehydes

Tetrahedron: Asymmetry 14 (2003) 1701

Stéphanie Bastin,^a Mihaela Ginj,^a Jacques Brocard,^a Lydie Pélinski^{a,*} and Guy Novogrocki^b

^aLaboratoire de Catalyse de Lille, UMR CNRS 8010, ENSCL 59 652 Villeneuve d'Ascq, France

^bLaboratoire de Cristallographie et physicochimie du solide, UPRESA 8012, ENSCL 59 652 Villeneuve d'Ascq, France

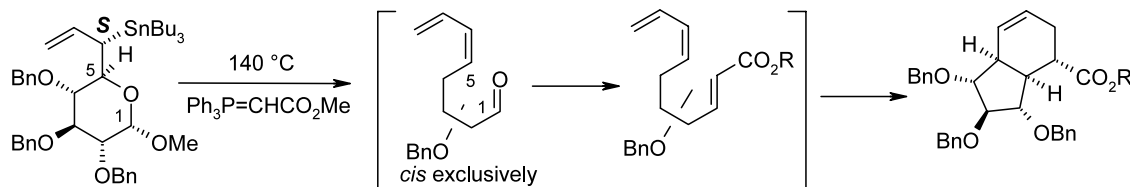


Synthesis of highly oxygenated enantiomerically pure *cis*-bicyclo[4.3.0]nonanes from secondary sugar allyltin derivatives

Tetrahedron: Asymmetry 14 (2003) 1709

Sławomir Jarosz,^{*} Katarzyna Szewczyk and Anna Zawisza

Institute of Organic Chemistry, Polish Academy of Sciences Kasprzaka, 44, 01-224 Warszawa, Poland

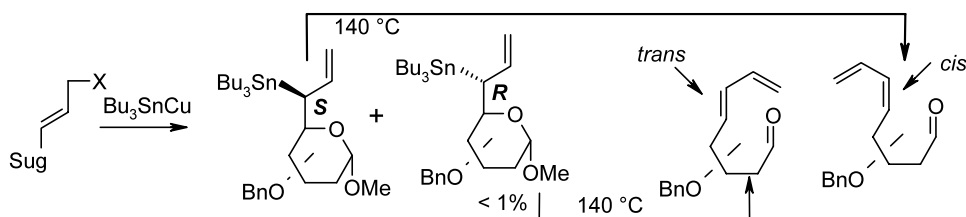


Synthesis and thermal stability of secondary sugar allyltin derivatives

Tetrahedron: Asymmetry 14 (2003) 1715

Sławomir Jarosz,^{*} Katarzyna Szewczyk and Anna Zawisza

Institute of Organic Chemistry, Polish Academy of Sciences Kasprzaka, 44, 01-224 Warszawa, Poland



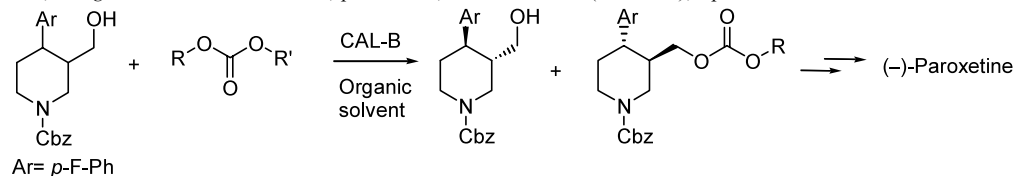
Enzymatic alkoxyacylation reactions on the intermediate in the synthesis of (-)-paroxetine, *trans*-*N*-benzyloxycarbonyl-4-(4'-fluorophenyl)-3-hydroxymethylpiperidine

Tetrahedron: Asymmetry 14 (2003) 1725

Gonzalo de Gonzalo,^a Rosario Brieva,^a Víctor M. Sánchez,^b Miguel Bayod^b and Vicente Gotor^{a,*}

^aDepartamento de Química Orgánica e Inorgánica, Facultad de Química, Universidad de Oviedo, 33071 Oviedo, Spain

^bAstur-Pharma S. A., Polígono Industrial de Silvota, parcela 23, 33192 Llanera (Astrurias), Spain

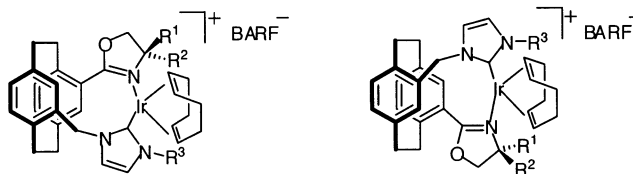


Synthesis of iridium complexes with novel planar chiral chelating imidazolylidene ligands

Tetrahedron: Asymmetry 14 (2003) 1733

Carsten Bolm,* Thilo Focken and Gerhard Raabe

Institut für Organische Chemie der RWTH Aachen, Professor-Pirlet-Straße 1, D-52056 Aachen, Germany



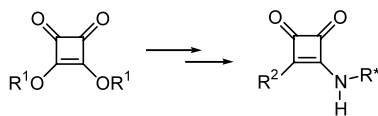
Chiral derivatives of semisquaric acid as new modular ligands for asymmetric catalysis

Tetrahedron: Asymmetry 14 (2003) 1747

Sílvia Ferrer, Mireia Pastó, Belén Rodríguez, Antoni Riera and Miquel A. Pericàs*

Unitat de Recerca en Síntesi Asimètrica (URSA-PCB), Departament de Química Orgànica/Parc Científic de Barcelona,

Universitat de Barcelona, C/Josep Samitier, 1-5, 08028 Barcelona, Spain



Efficient synthesis of (*R*)- and (*S*)-1-amino-2,2-difluorocyclopropanecarboxylic acid via lipase-catalyzed desymmetrization of prochiral precursors

Tetrahedron: Asymmetry 14 (2003) 1753

Masayuki Kirihara,^{a,*} Masashi Kawasaki,^b Tomofumi Takuwa,^c Hiroko Kakuda,^d Takahiro Wakikawa,^c Yoshio Takeuchi^c and Kenneth L. Kirk^e

^aDepartment of Materials Science, Shizuoka Institute of Science and Technology (SIST), Toyosawa 2200-2, Fukuroi, Shizuoka 437-8555, Japan

^bFaculty of Engineering, Toyama Prefectural University, 5180 Kurokawa, Kosugi-Machi, Toyama 939-0398, Japan

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