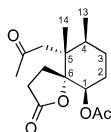


Stereochemistry abstracts

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Siméon Arseniyadis*

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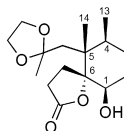
$C_{16}H_{24}O_5$

(5*R*,6*R*,9*S*,10*R*)-9,10-Dimethyl-2-oxo-10-(2-oxopropyl)-1-oxaspiro[4.5]decan-6-yl acetate

Ee = >97%
 $[\alpha]_D^{20} = -6$ (c 0.11, $CHCl_3$)
 Source of chirality: (S)-(-)-Proline
 Absolute configuration (1*R*), (4*S*), (5*R*), (6*R*)

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Tetrahedron: Asymmetry 25 (2014) 1253



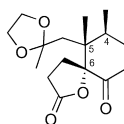
$C_{16}H_{26}O_5$

(5*R*,6*R*,7*S*,10*R*)-10-Hydroxy-6,7-dimethyl-6-((2-methyl-1,3-dioxolan-2-yl)methyl)-1-oxaspiro[4.5]decan-2-one

Ee = >97%
 $[\alpha]_D^{20} = +12$ (c 0.98, $CHCl_3$)
 Source of chirality: (S)-(-)-Proline
 Absolute configuration (1*R*), (4*S*), (5*R*), (6*R*)

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Tetrahedron: Asymmetry 25 (2014) 1253



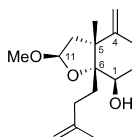
$C_{16}H_{24}O_5$

(5*R*,9*S*,10*R*)-9,10-Dimethyl-10-((2-methyl-1,3-dioxolan-2-yl)methyl)-1-oxaspiro[4.5]decane-2,6-dione

Ee = >97%
 $[\alpha]_D^{20} = +32$ (c 1.44, $CHCl_3$)
 Source of chirality: (S)-(-)-Proline
 Absolute configuration (4*S*), (5*R*), (6*R*)

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Tetrahedron: Asymmetry 25 (2014) 1253



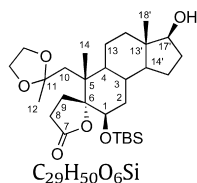
$C_{16}H_{26}O_3$

(3*aR*,7*R*,7*aR*)-2-Methoxy-3*a*-methyl-7*a*-(3-methylbut-3-enyl)-4-methyleneoctahydrobenzofuran-7-ol

Ee = >97%
 $[\alpha]_D^{20} = +61$ (c 1.10, $CHCl_3$)
 Source of chirality: (S)-(-)-Proline
 Absolute configuration (1*R*), (5*R*), (6*R*), (11*R*)

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Tetrahedron: Asymmetry 25 (2014) 1253

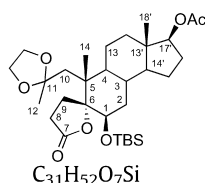


$[\alpha]_D^{20} = +10$ (c 0.21, MeOH)
Source of chirality: Chiral pool
Absolute configuration (1R), (3S), (4S), (5R), (6R), (13'S), (14'S), (17'S)

(2'*R*,3*S*,3*aS*,5*aS*,6*R*,8*R*,9*aS*,9*bS*)-8-(*tert*-Butyldimethylsilyloxy)-3-hydroxy-3*a*,6-dimethyl-6-((2-methyl-1,3-dioxolan-2-yl)methyl)dodecahydro-3'*H*-spiro[cyclopenta[*a*]naphthalene-7,2'-furan]-5'(4'*H*)-one

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Tetrahedron: Asymmetry 25 (2014) 1253

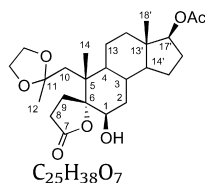


$[\alpha]_D^{20} = -6$ (c 0.41, Acetone)
Source of chirality: Chiral pool
Absolute configuration (1R), (3S), (4S), (5R), (6R), (13'S), (14'S), (17'S)

(2'*R*,3*S*,3*aS*,5*aS*,6*R*,8*R*,9*aS*,9*bS*)-8-(*tert*-Butyldimethylsilyloxy)-3*a*,6-dimethyl-6-((2-methyl-1,3-dioxolan-2-yl)methyl)-5'-oxotetradecahydro-3'*H*-spiro[cyclopenta[*a*]naphthalene-7,2'-furan]-3-yl acetate

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Tetrahedron: Asymmetry 25 (2014) 1253

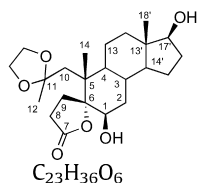


$[\alpha]_D^{20} = +6$ (c 0.74, MeOH)
Source of chirality: Chiral pool
Absolute configuration (1R), (3S), (4S), (5R), (6R), (13'S), (14'S), (17'S)

(2'*R*,3*S*,3*aS*,5*aS*,6*R*,8*R*,9*aS*,9*bS*)-8-Hydroxy-3*a*,6-dimethyl-6-((2-methyl-1,3-dioxolan-2-yl)methyl)-5'-oxotetradecahydro-3'*H*-spiro[cyclopenta[*a*]naphthalene-7,2'-furan]-3-yl acetate

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Tetrahedron: Asymmetry 25 (2014) 1253



$[\alpha]_D^{20} = +2$ (c 0.63, MeOH)
Source of chirality: Chiral pool
Absolute configuration (1R), (3S), (4S), (5R), (6R), (13'S), (14'S), (17'S)

(3*S*,3*aS*,5*aS*,6*R*,7*R*,8*R*,9*aS*,9*bS*)-3,8-Dihydroxy-3*a*,6-dimethyl-6-((2-methyl-1,3-dioxolan-2-yl)methyl)tetradecahydro-5'*H*-spiro[cyclopenta[*a*]naphthalene-7,2'-furan]-5'-one

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