## STEREOCHEMISTRY ABSTRACTS













M.D.Preite, J. Zinczuk, M.I.Colombo, J.A.Bacigaluppo, M.González Sierra and E.A.Rúveda OMe E.e.> 95% by <sup>1</sup>H NMR in the presence of tris(3-[heptafluoro propyl-hydroxymethylene]-d-camphorato)

 $[\alpha]_{D} = -141.3$  (c = 0.47, CHCl<sub>3</sub>) Source of chirality: sulfoximine assisted resolution Absolute configuration 15,55,9R,105,11R (determined by high field NMR application of the Mosher method)

2aB,3,5ao,6,7,8,8aB,8b-Octahydro-2B-methoxy-6,6,8bB-trimethyl-3-oxo-2H-naphtho[1,8-bc]furan

C15H22O2

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 $C_{15}H_{20}O_{2}$ 

Tetrahedron: Asymmetry 1993, 4, 17

E.e.> 95% by <sup>1</sup>H NMR in the presence of tris(3-[heptafluoro propyl-hydroxymethylene]-d-camphorato)  $[\alpha]_{12} = -42.7$  (c = 0.37, CHCl<sub>3</sub>) Source of chirality: sulfoximine assisted resolution Absolute configuration 15,55,9R,10S (determined by high field NMR application of the Mosher method)

2aB.5.5ac.6.7.8.8aB.8b-Octahydro-3.6.6.8bBtetramethyl-5-oxo-2H-naphtho[1,8-bc]furan-2-ona

OMe

OH

C15H24O3

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Tetrahedron: Asymmetry 1993, 4, 17

E.e.> 95% by <sup>1</sup>H NMR analysis of the MTPA (Mosher) ester  $[\alpha]_{D} = -170 \ (c = 2.38, acetone)$ Source of chirality: sulfoximine assisted resolution Absolute configuration 15,55,8R,95,105,11R determined by high field NMR application of the Mosher method)

2aB,3,5aa,6,7,8,8aB,8b-Octahydro-3a-hydroxy-2Bmethoxy-6,6,8bB-trimethyl-2H-naphtho[1,8-bc]furan

Tetrahedron: Asymmetry 1993, 4, 21



Tetrahedron: Asymmetry 1993, 4, 17









Tetrahedron: Asymmetry 1993, 4, 35







A14



























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Me<sub>3</sub>N<sup>+</sup> CN CI

C7H15CIN2O

(R)-(-)-(3-Cyano-2-hydroxypropyl)trimethylammonium chloride E.e.> 95 % [by comparison of optical rotations]  $[\alpha]_D^{22}$  -25.7 (c 2.1, H<sub>2</sub>O) Source of chirality: asymmetric synthesis absolute configuration: R

(assigned by comparison of opt. rotations)

Tetrahedron: Asymmetry 1993, 4, 133

Tetrahedron: Asymmetry 1993, 4, 133

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 $C_7H_{15}NO_3$ (R)-(-)-Carnitine E.e.> 95 % [by comparison of optical rotations]  $[\alpha]_D^{22}$  -30.0 (c 1.16, H<sub>2</sub>O) Source of chirality: asymmetric synthesis absolute configuration: R (assigned by comparison of optical rotations)

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 $C_4H_9NO_3$ (R)-(-)- $\gamma$  Amino- $\beta$ -hydroxybutyric acid (GABOB) E.e.= 90 % [by comparison of optical rotations]  $[\alpha]_D^{22}$  -18.6 (c 1.52, H<sub>2</sub>O) Source of chirality: asymmetric synthesis absolute configuration: R (assigned by comparison of optical rotations)

