Stereochemistry abstracts

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Tetrahedron: Asymmetry 27 (2016) 729

HO O (R) (S) ee = 99% by GC on a Chrompack Chirasil-Dex CB column $[\alpha]_D^{25}$ = +342 (c 0.50, CHCl₃)

 $|\alpha|_{6}^{S}$ = +342 (*c* 0.50, CHCl₃) Source of chirality: *Candida antarctica* lipase B-catalyzed

hydrolysis
Absolute configuration: (15,4R)

C₇H₉NO₂

(1S,4R)-N-Hydroxymethyl-2-azabicyclo[2.2.1]hept-5-en-3-one

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HO O (S) (R ee = 96% by GC on a Chrompack Chirasil-Dex CB column $[\alpha]_D^{25} = +49.8 \ (c \ 0.72, \text{CHCl}_3)$

Source of chirality: *Candida antarctica* lipase B-catalyzed hydrolysis

Absolute configuration: (1*R*,4*S*)

 $C_7H_{11}NO_2$

(1R,4S)-N-Hydroxymethyl-2-azabicyclo[2.2.1]heptan-3-one

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O NH

ee = 99% by GC on a Chrompack Chirasil-Dex CB column [α] $_{\rm D}^{25}$ = +545 (c 0.30, CHCl $_{\rm 3}$)

Source of chirality: *Candida antarctica* lipase B-catalyzed hydrolysis

Absolute configuration: (1S,4R)

C₆H₇NO

(1S,4R)-2-Azabicyclo[2.2.1]hept-5-en-3-one

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NH (S) ee = 96% by GC on a Chrompack Chirasil-Dex CB column [α | $_{\rm D}^{25}$ = +125.5 (c 0.55, CHCl $_{\rm 3}$)

Source of chirality: *Candida antarctica* lipase B-catalyzed hydrolysis

Absolute configuration: (1R,4S)

C₆H₉NO

(1R,4S)-2-Azabicyclo[2.2.1]heptan-3-one

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HOOC

ee = 99% by GC on a Chrompack Chirasil-Dex CB column $[\alpha]_D^{25} = -240 (c \ 0.30, H_2O)$

Source of chirality: Candida antarctica lipase B-catalyzed hydrolysis

Absolute configuration: (1S,4R)

 $C_6H_9NO_2$

(1S,4R)-4-Aminocyclopent-2-ene-1-carbocyclic acid

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ee = 99% by GC on a Chrompack Chirasil-Dex CB column $[\alpha]_D^{25} = +110 (c 0.20, H_2O)$

Source of chirality: Candida antarctica lipase B-catalyzed

hydrolysis

Absolute configuration: (1R,4S)

C6H9NO2·HCl (1R,4S)-4-Aminocyclopent-2-enecarboxylic acid hydrochloride

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HOOC

ee = 99% by GC on a Chrompack Chirasil-Dex CB column $[\alpha]_D^{25} = -11$ (c 0.30, H₂O)

Source of chirality: Candida antarctica lipase B-catalyzed hydrolysis

Absolute configuration: (1R,3S)

(1R,3S)-3-Aminocyclopentanecarboxylic acid

 $C_6H_{11}NO_2$

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NH2:HCI HOOC

ee = 96% by GC on a Chrompack Chirasil-Dex CB column $[\alpha]_D^{25} = +10$ (c 0.20, H₂O)

Source of chirality: Candida antarctica lipase B-catalyzed

hydrolysis

Absolute configuration: (1S,3R)

C₆H₁₁NO₂·HCl

(1S,3R)-3-Aminocyclopentanecarboxylic acid hydrochloride

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