Electronic Supplementary Information

A New Diastereoselective Aza-Allyl – Michael Addition – Ring Closure Reaction Sequence and its Application in the Construction of Six Contiguous Stereogenic Centres

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Supporting Figure 1: Coupling constants used in aiding assignment of the relative stereochemistry of the cyclohexyl substituents of aminocyclohexane *2*.



Supporting Figure 2: ¹H-NMR spectrum of aminocyclohexane 2.



Supporting Figure 3: ¹³C-NMR spectrum of aminocyclohexane 2.



Supporting Figure 4: ¹H-¹H COSY spectrum of aminocyclohexane *2*.



Supporting Figure 5: ¹H-¹H NOESY spectrum used in aiding determination of the relative stereochemistry of the cyclohexyl ring substituents of aminocyclohexane **2**



Supporting Figure 6: ¹H-NMR spectrum of mono-*tert*-butyl ester 5.



Supporting Figure 7: ¹³C-NMR spectrum of mono-*tert*-butyl ester 5.