## **Supporting Information**

## Facile syntheses of (+)-gabosines A, D, and E

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Appendices

- S1 List of contents
- S2 General procedures
- S3-S10  $^{1}$ H ,  $^{13}$ C and DEPT NMR Spectra of compounds 4, 5, 12–15 and 17–22.

## **General procedures**

Melting points were measured in Celsius degrees and were uncorrected. Optical rotations were operating at 589nm. Infrared spectra (IR) were recorded as thin film on potassium bromide discs. Nuclear magnetic resonance (NMR) spectra were measured at 300.13 MHz (<sup>1</sup>H) or at 75.47 MHz (<sup>13</sup>C). All chemical shifts were recorded in ppm relative to tetramethylsilane ( $\delta$ = 0.0). Spin-spin coupling constants (*J* value) recorded in Hz were measured directly from the spectra. All reactions were monitored by analytical thin-layer chromatography (TLC) on aluminium-precoated plates of silica gel with detection by spraying with 5% (w/v) dodecamolybdophosphoric acid in ethanol. Silica gel 60 (230–400 mesh) was used for flash chromatography. All reagents and solvents were general reagent grade unless otherwise stated. DMF was dried by magnesium sulfate and filtered. It was then freshly distilled under reduced pressure. THF was freshly distilled from Na/benzophenone ketyl under nitrogen. Dichloromethane was freshly distilled from P<sub>2</sub>O<sub>5</sub> under nitrogen. Other reagents were purchased from commercial suppliers and were used without purification.





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