Supporting Information

Preparative Separation of α- and β-Santalenes and (Z)-α- and (Z)-β-Santalols using Silver Nitrate-Impregnated Silica Gel Medium Pressure Liquid Chromatography and Analysis of Sandalwood Oil

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 Fig S1: $^1$H NMR spectrum of 1 in CDCl$_3$ at 500 MHz.
Fig S2: $^{13}$C NMR spectrum of 1 in CDCl$_3$ at 125 MHz.
Fig S3: DEPT NMR spectrum of 1 in CDCl₃ at 125 MHz.
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Fig S4: $^1$H NMR spectrum of 2 & 3 in CDCl$_3$ at 500 MHz.
Fig S5: $^{13}$C NMR spectrum of 2 & 3 in CDCl$_3$ at 125 MHz.
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Fig S12: DEPT NMR spectrum of 5 in CDCl₃ at 125 MHz.
**Fig S13:** $^1$H NMR spectrum of **6 & 7** in CDCl$_3$ at 500 MHz.
Fig S14: $^{13}$C NMR spectrum of 6 & 7 in CDCl$_3$ at 125 MHz.
**Fig S15**: DEPT NMR spectrum of 6 & 7 in CDCl$_3$ at 125 MHz.
**Fig S16:** $^1$H NMR spectrum of 11 in CDCl$_3$ at 200 MHz.
Fig S17: $^{13}$C NMR spectrum of 11 in CDCl$_3$ at 50 MHz.
Fig S18: DEPT NMR spectrum of 11 in CDCl₃ at 50 MHz.
Fig S19: Graphs from quantification studies of components of sandalwood oil:

A) (Z)-α-Santalol (1):

![Graph A]

\[ y = 1407x + 146.9 \]
\[ R^2 = 0.999 \]

B) (Z)-(β + epi-β)-Santalol (2 & 3):

![Graph B]

\[ y = 1254x + 117.0 \]
\[ R^2 = 0.999 \]

C) (Z)-α-trans-Bergamotol (4):

![Graph C]

\[ y = 1591x + 92.29 \]
\[ R^2 = 0.999 \]

D) α-Santalene (5):

![Graph D]

\[ y = 1352x + 231.6 \]
\[ R^2 = 0.999 \]
E) ($\beta$ + epi-$\beta$)-Santalene (6 & 7):

\[ y = 1660x + 124.4 \]
\[ R^2 = 0.999 \]

F) (-)$\alpha$-Bisabolol (8):

\[ y = 1836x + 99.54 \]
\[ R^2 = 0.999 \]

G) (E), (E)-Farnesol (9):

\[ y = 1280x + 42.43 \]
\[ R^2 = 0.999 \]

H) (Z)-Lanceol (11):

\[ y = 1372x - 39.31 \]
\[ R^2 = 0.999 \]
Fig. S20: Co-injection of purified components with Sandalwood oil:

A) Sandalwood oil

B) Co-injection of (Z)-α-Santalol (1) with Sandalwood oil

C) Co-injection of (Z)-(β+ epi-β)-Santalol (2&3) with Sandalwood oil

D) Co-injection of (Z)-α-trans-Bergamotol (4) with Sandalwood oil

E) Co-injection of (-)-α-Bisabolol (8) with Sandalwood oil

F) Co-injection of (E), (E)-Farnesol (9) with Sandalwood oil
G) Co-injection of (Z)-Lanceol (11) with Sandalwood oil

H) Santalenes mixture

H) Co-injection of α-Santalene (5) with Sandalwood oil.

J) Co-injection of (β+ epi-β)-Santalene (6&7) with Sandalwood oil