



Absolute Configuration of some Dinorlabdanes from the Copaiba Oil

*Adriano L. Romero, Lúcia H. B. Baptistella and Paulo M. Imamura**

Instituto de Química, Universidade Estadual de Campinas, CP 6154, 13083-970 Campinas-SP, Brazil

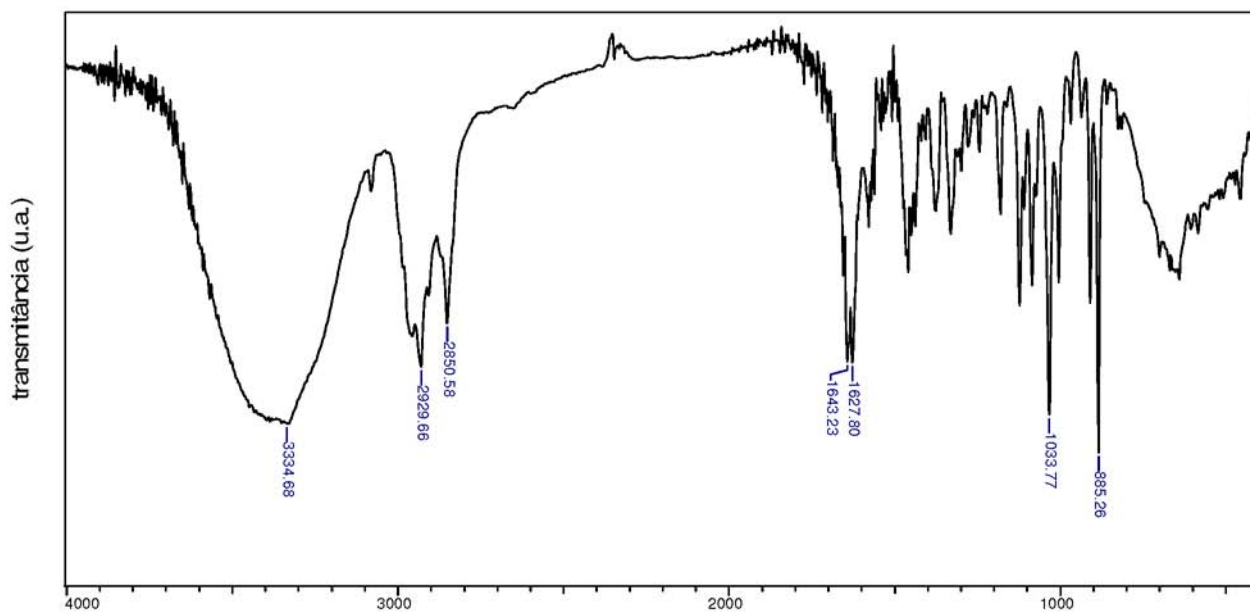


Figure S1. IR spectrum of (-)-13(*R*)-14,15-dinorlabd-8(17)-ene-3,13-diol (**1**).

*e-mail: imam@iqm.unicamp.br

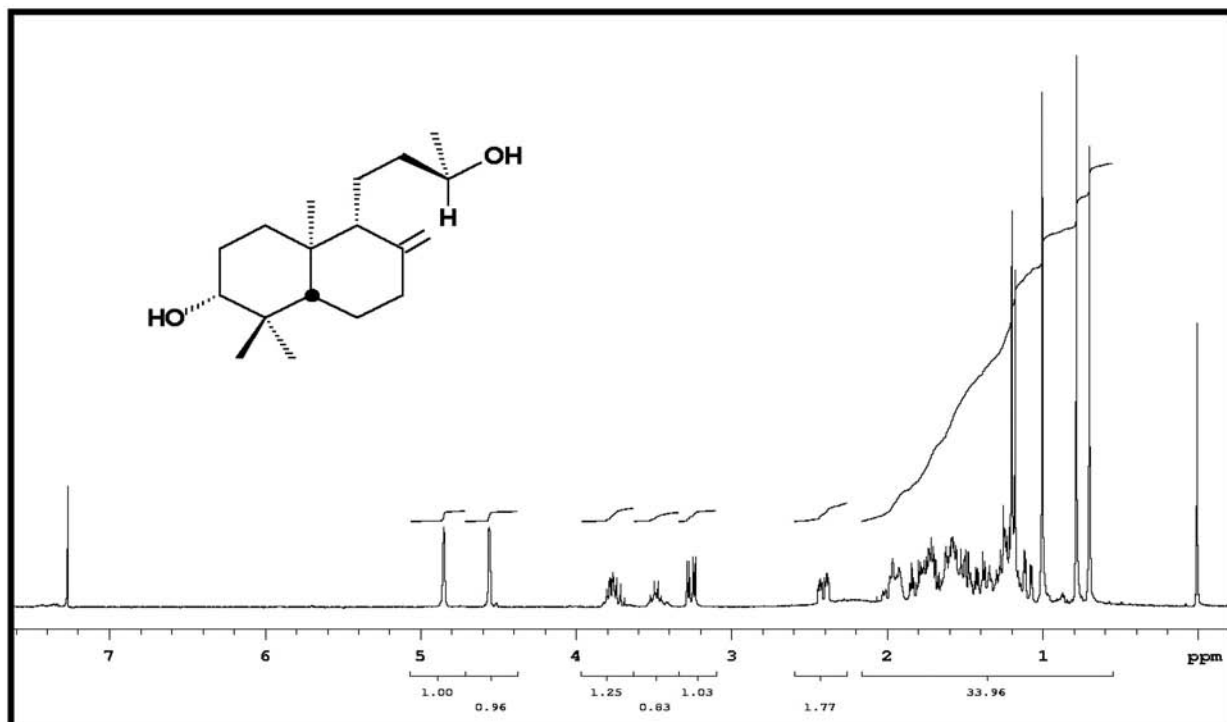


Figure S2. ¹H NMR spectrum of (-)-13(R)-14,15-dinorlabd-8(17)-ene-3,13-diol (1) (300 MHz, CDCl₃).

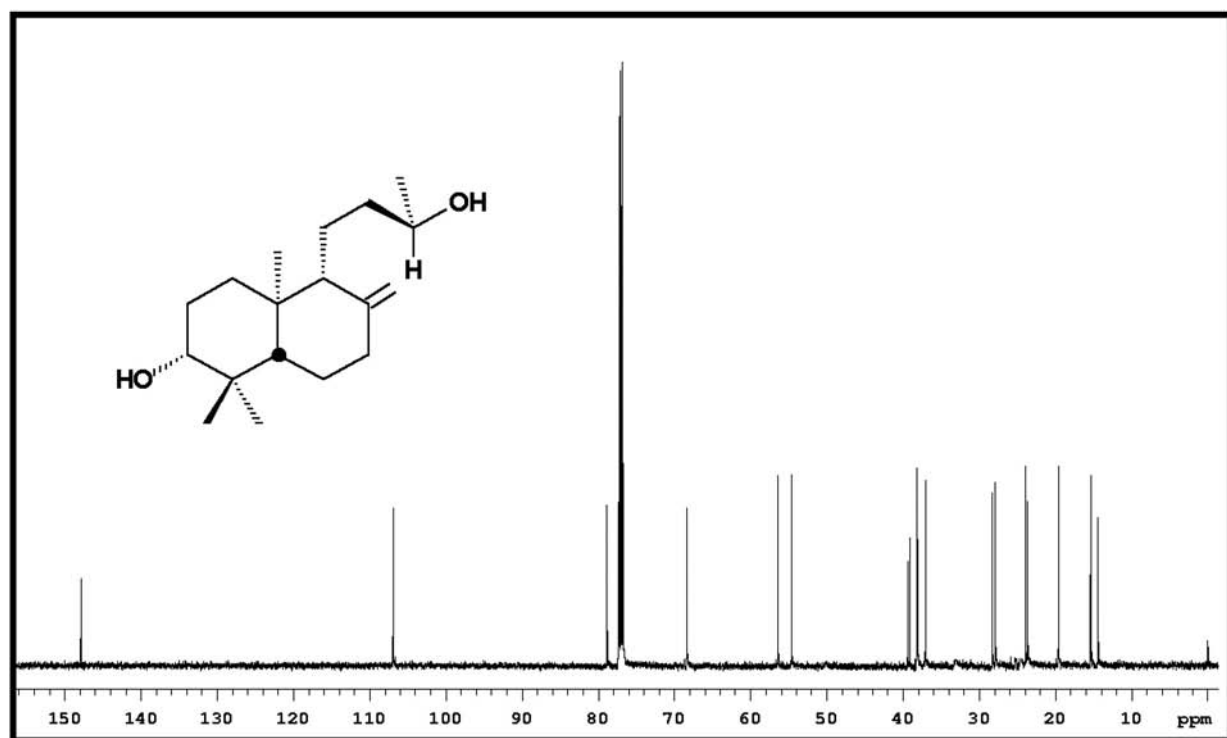


Figure S3. ¹³C NMR spectrum of (-)-13(R)-14,15-dinorlabd-8(17)-ene-3,13-diol (1) (75.5 MHz, CDCl₃).

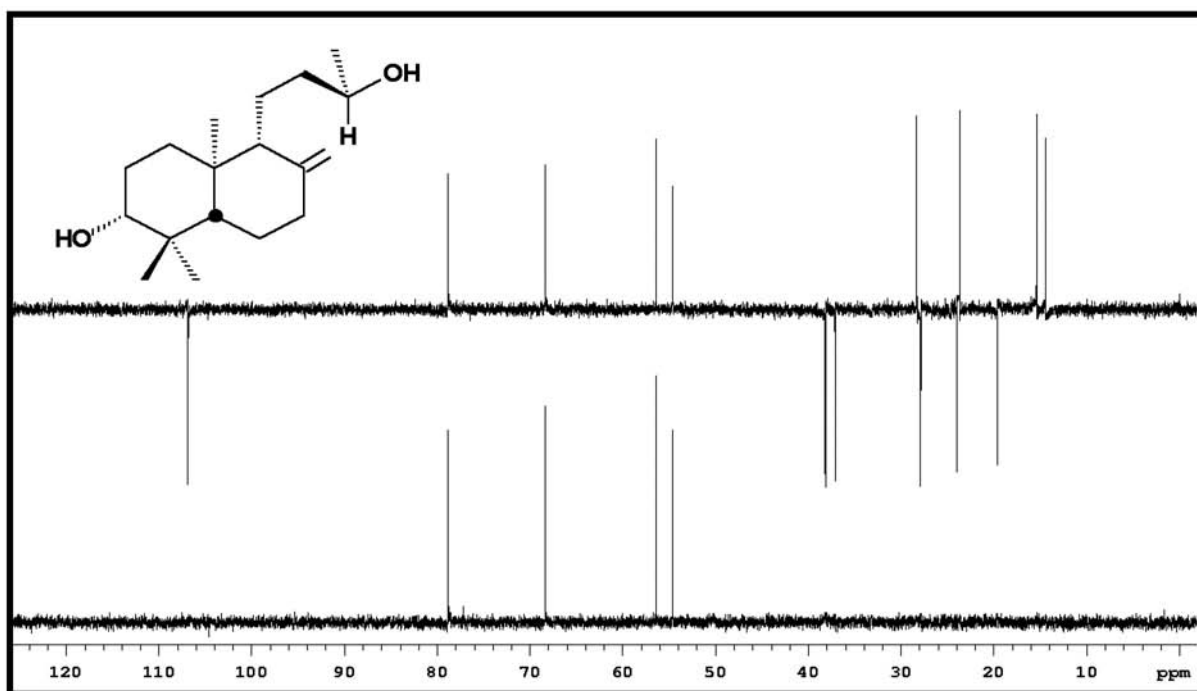


Figure S4. ¹³C NMR spectrum (DEPT 135 and 90) of (-)-13(R)-14,15-dinorlabd-8(17)-ene-3,13-diol (1), (75.5 MHz, CDCl₃).

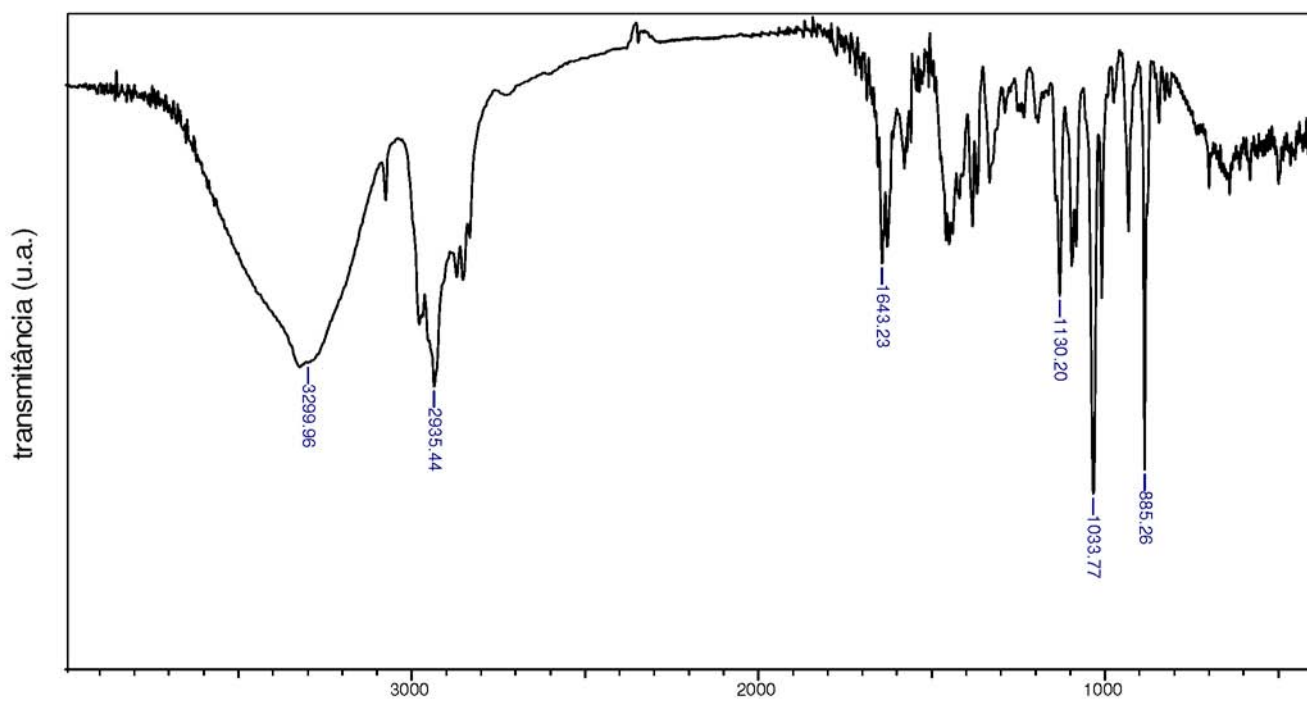


Figure S5. IR spectrum of (-)-13(S)-14,15-dinorlabd-8(17)-ene-3,13-diol (2).

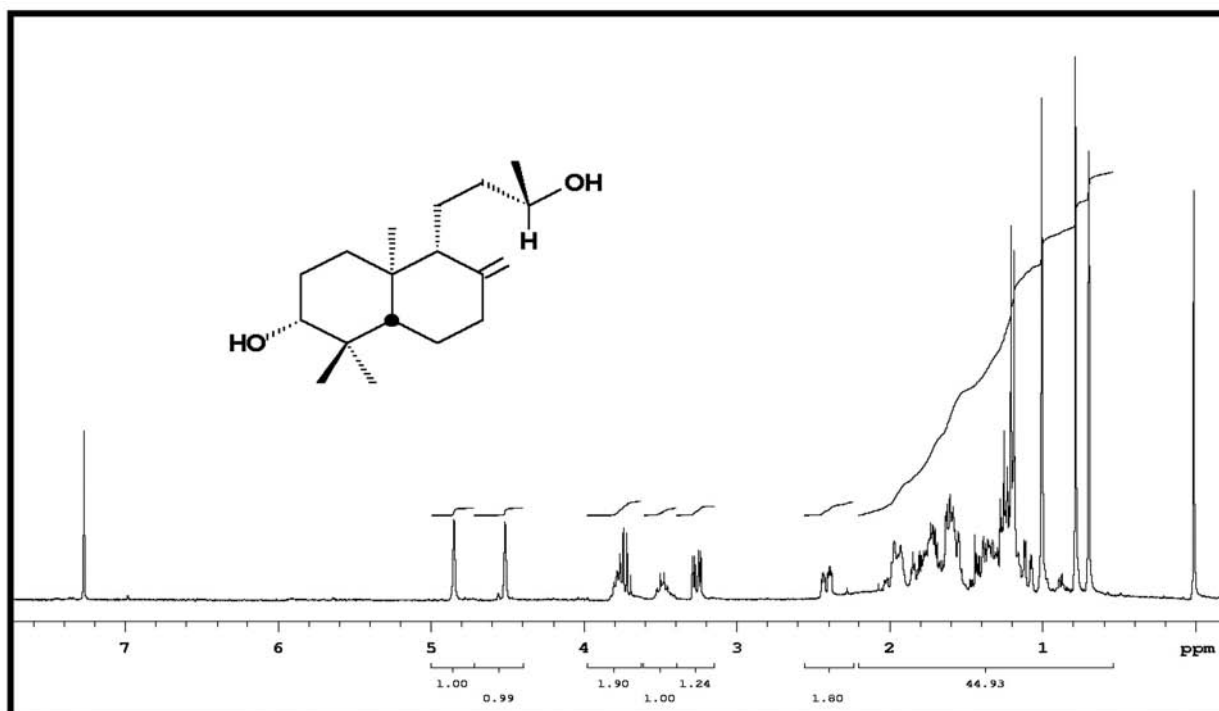


Figure S6. ¹H NMR spectrum of (-)-13(S)-14,15-dinorlabd-8(17)-ene-3,13-diol (2) (300 MHz, CDCl₃/TMS).

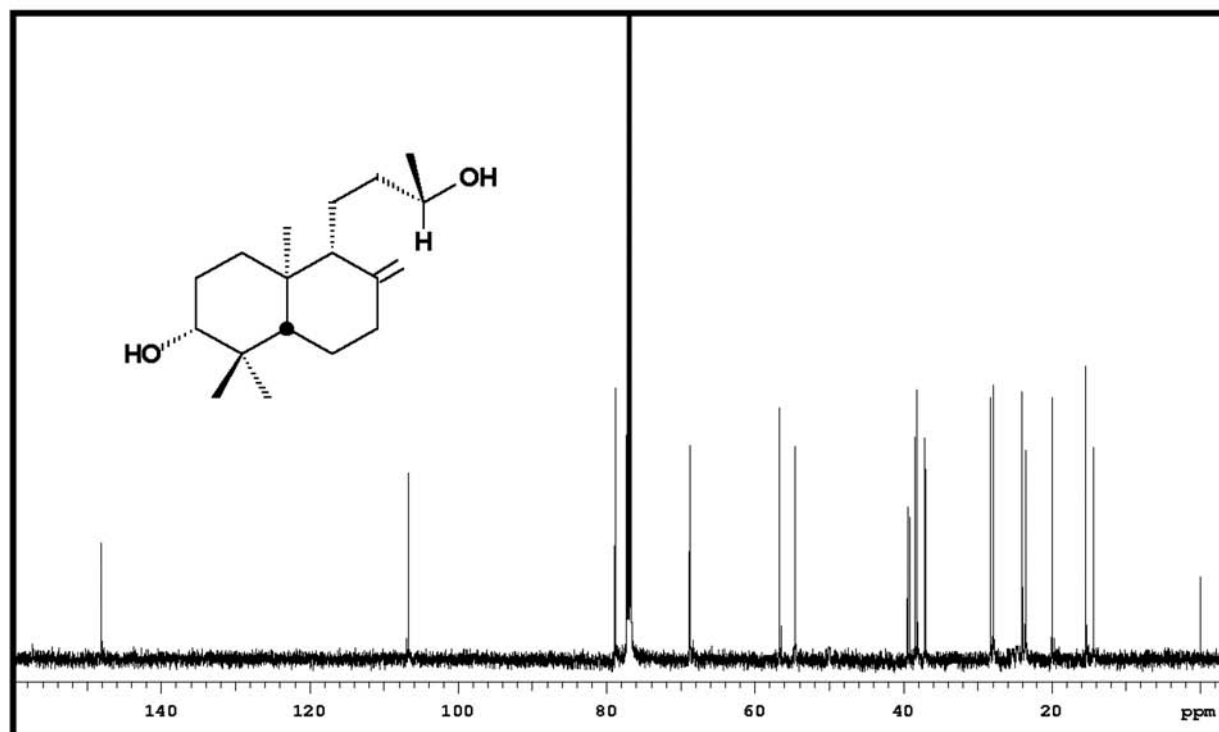


Figure S7. ¹³C NMR spectrum of (-)-13(S)-14,15-dinorlabd-8(17)-ene-3,13-diol (2) (75.5 MHz, CDCl₃).

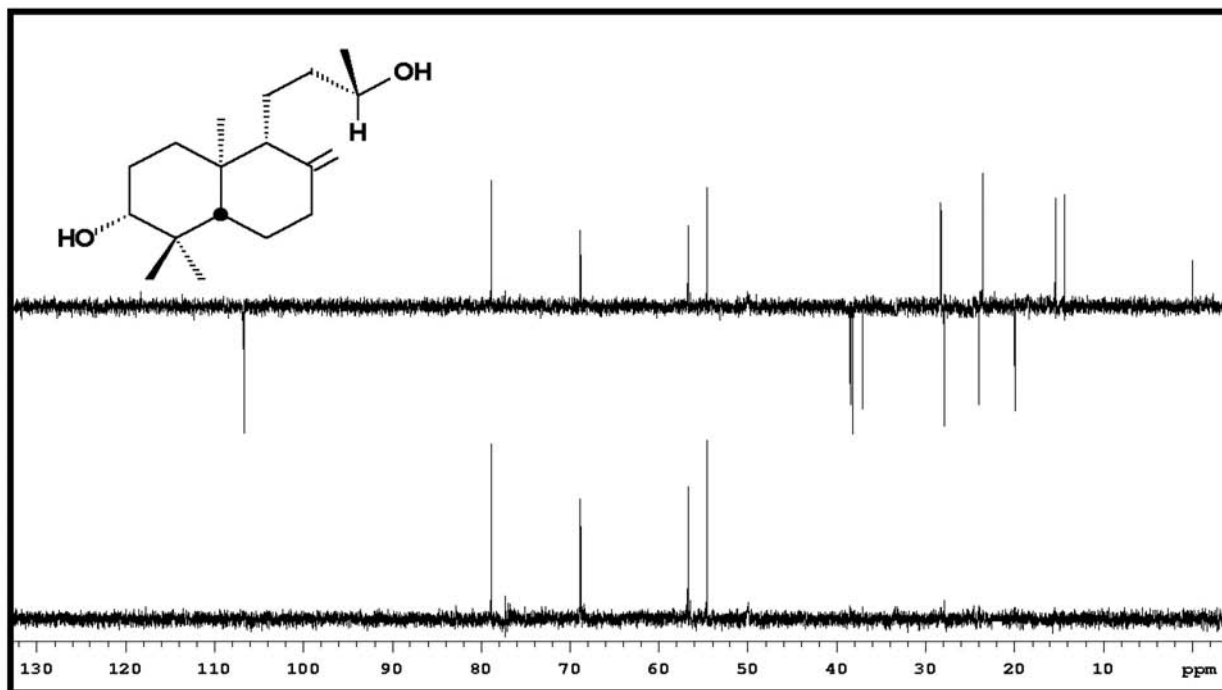


Figure S8. ¹³C NMR spectrum (DEPT 135 and 90) of (-)-13(S)-14,15-dinorlabd-8(17)-ene-3,13-diol (2), (75.5 MHz, CDCl₃).

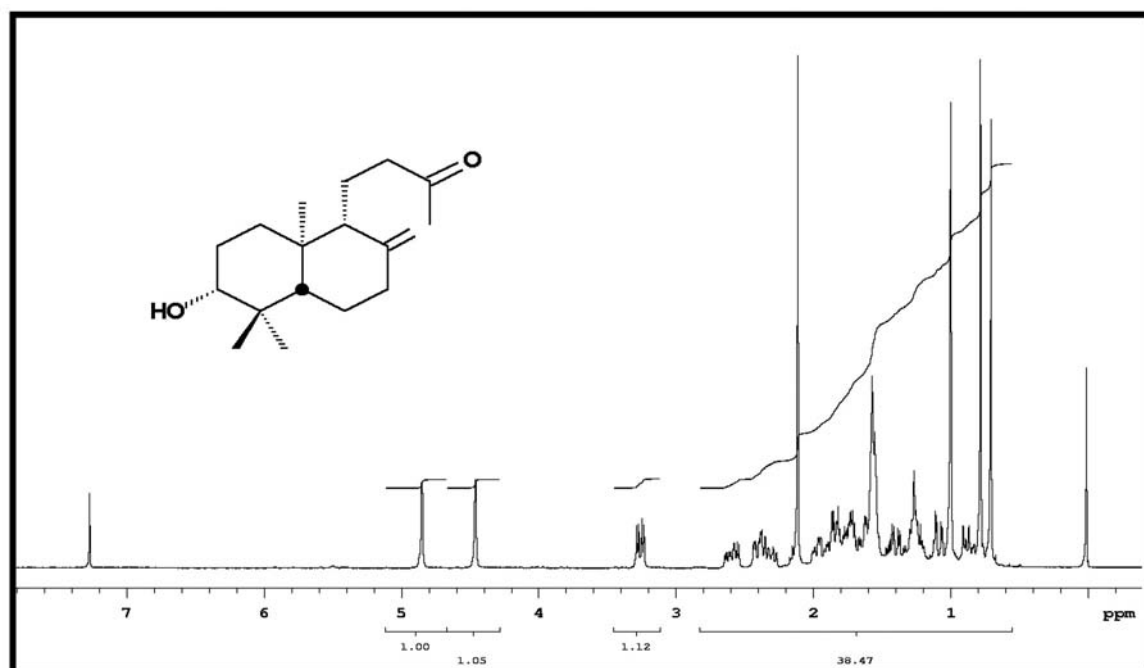


Figure S9. ¹H NMR spectrum of (-)-3-hydroxy-14,15-dinorlabd-8(17)-en-13-one (3) (300 MHz, CDCl₃/TMS).

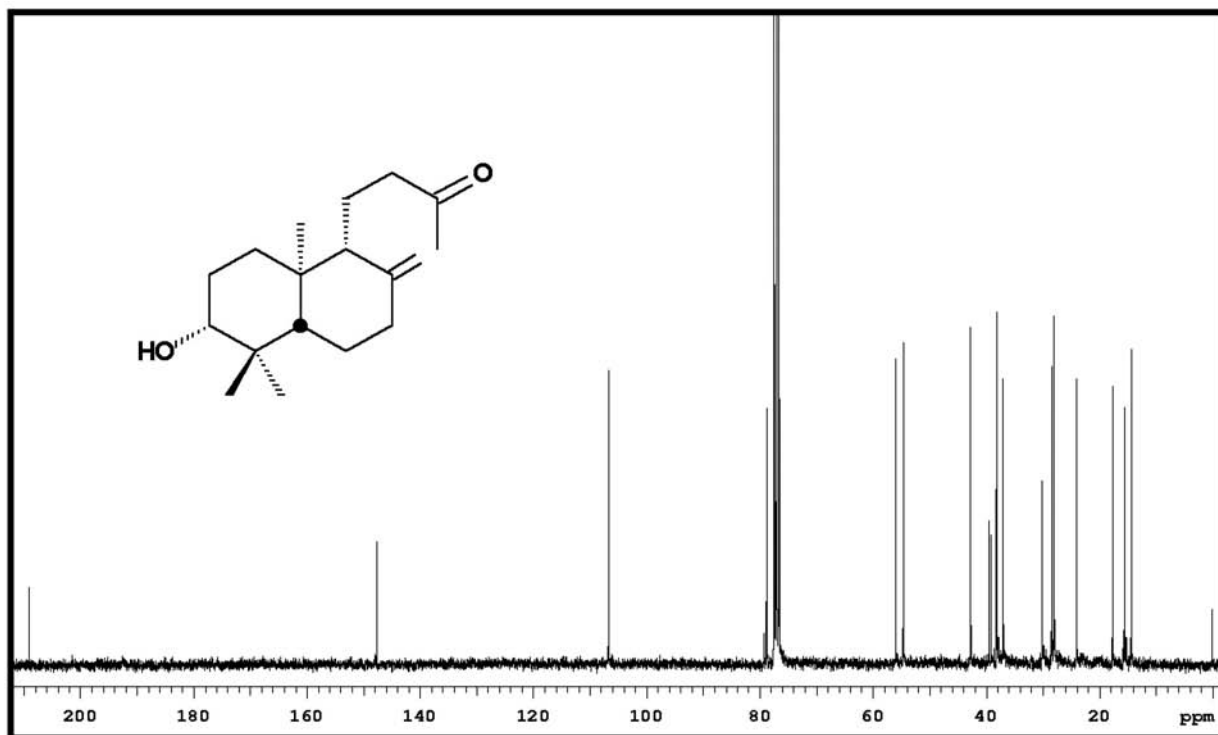


Figure S10. ^{13}C NMR spectrum of (-)-3-hydroxy-14,15-dinorlabd-8(17)-en-13-one (3) (75.5 MHz, CDCl_3).

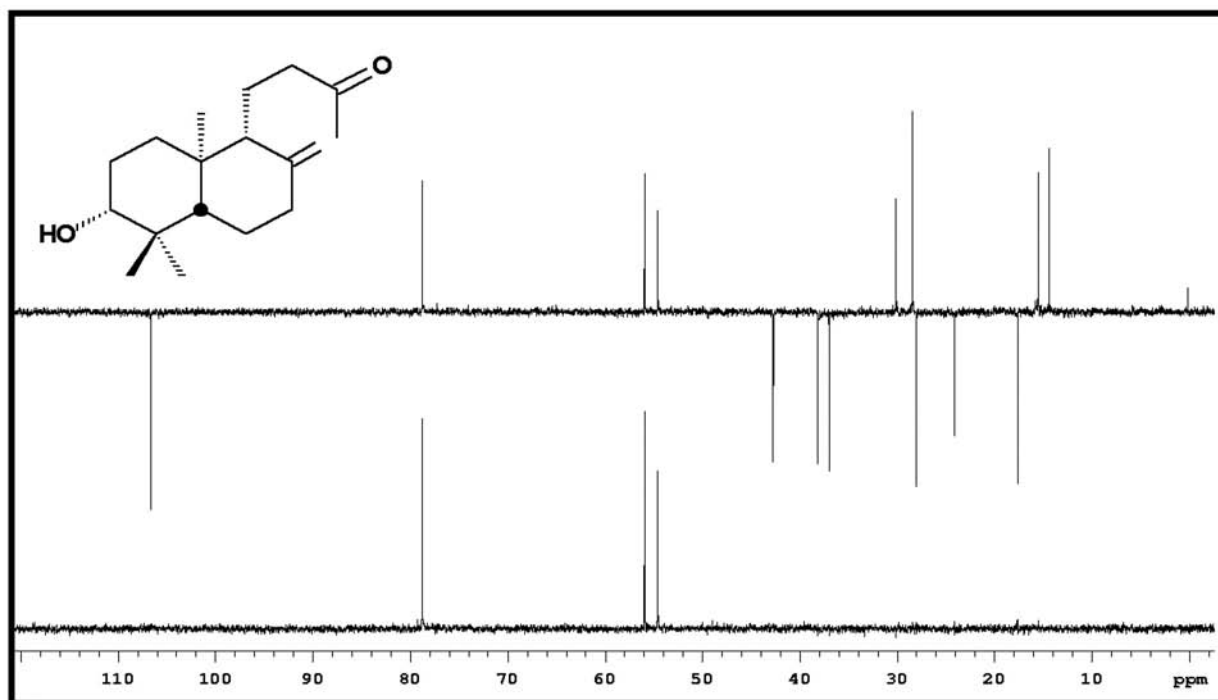


Figure S11. ^{13}C NMR spectrum (DEPT 135 and 90) of (-)-3-hydroxy-14,15-dinorlabd-8(17)-en-13-one (3) (75.5 MHz, CDCl_3).