

Electronic Supporting Information

Chemical synthesis and biological study of 4 β -carboxymethyl-*epiafzelechin* acid, an osteoprotective compound from the rhizomes of *Drynaria fortunei*

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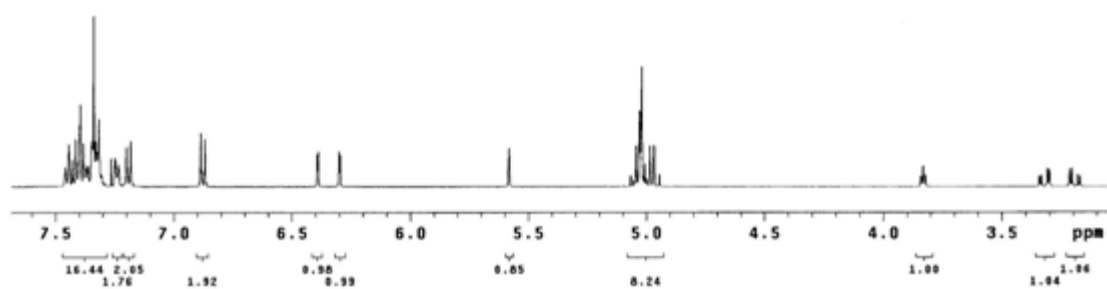
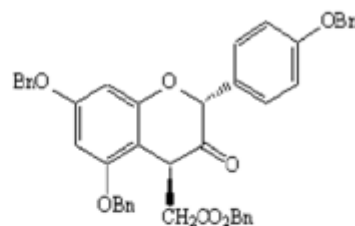
Figures:

1. ^1H NMR of compound **15a**.
2. 2D NMR (COSY) of compound **15a**.
3. 2D NMR (NOESY) of compound **15a**.
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6. 2D NMR (NOESY) of compound **15b**.
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16. ^{13}C NMR of compound **13**.
17. IR of compound **13**.
18. ^1H NMR of compound **12Na**.
19. ^{12}C NMR of compound **12Na**.

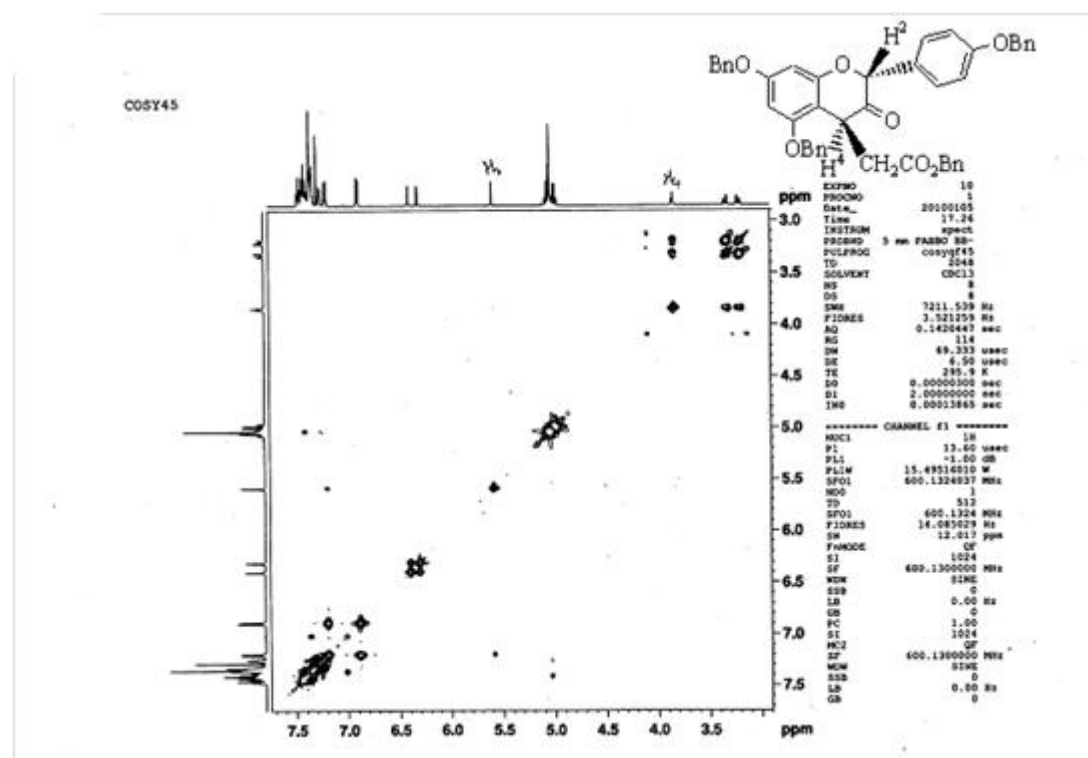
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Ambient temperature
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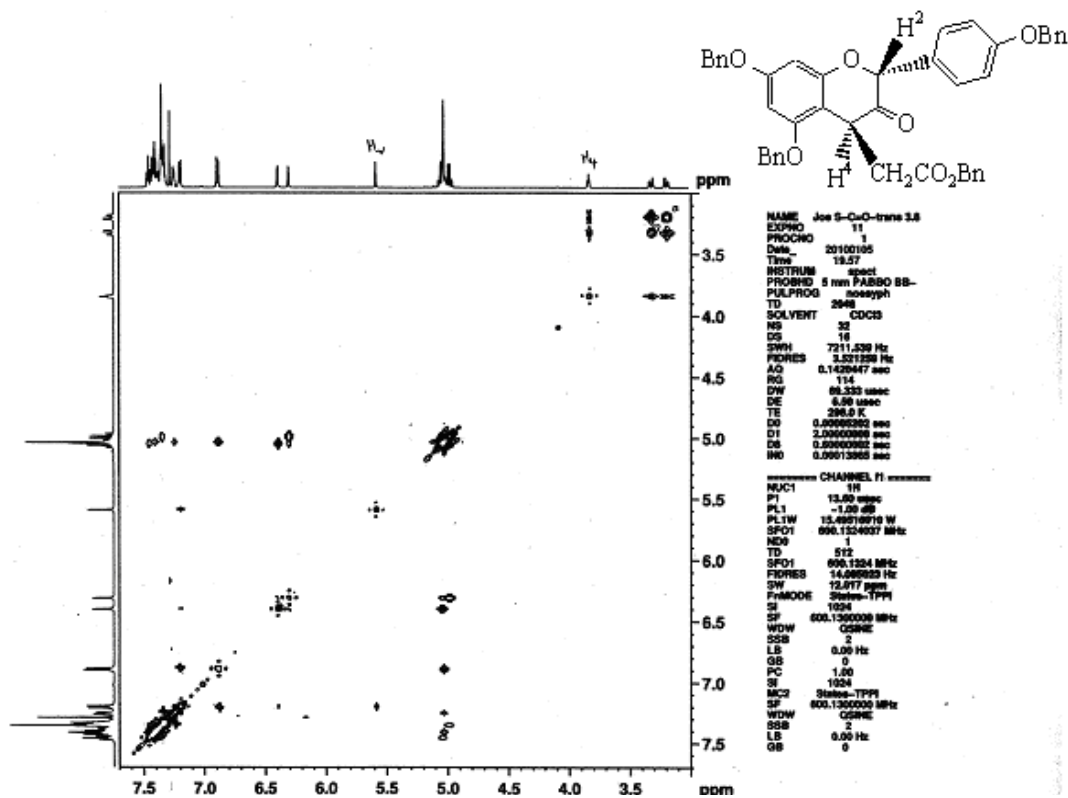
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DATA PROCESSING
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Total time 8 min, 23 sec



1. ¹H NMR of compound 15a.

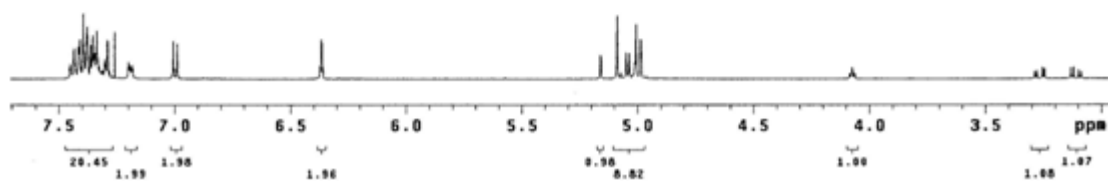
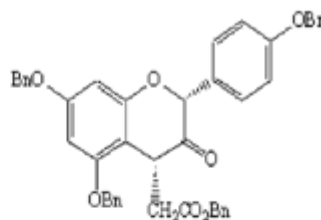


2. 2D NMR (COSY) of compound 15a.

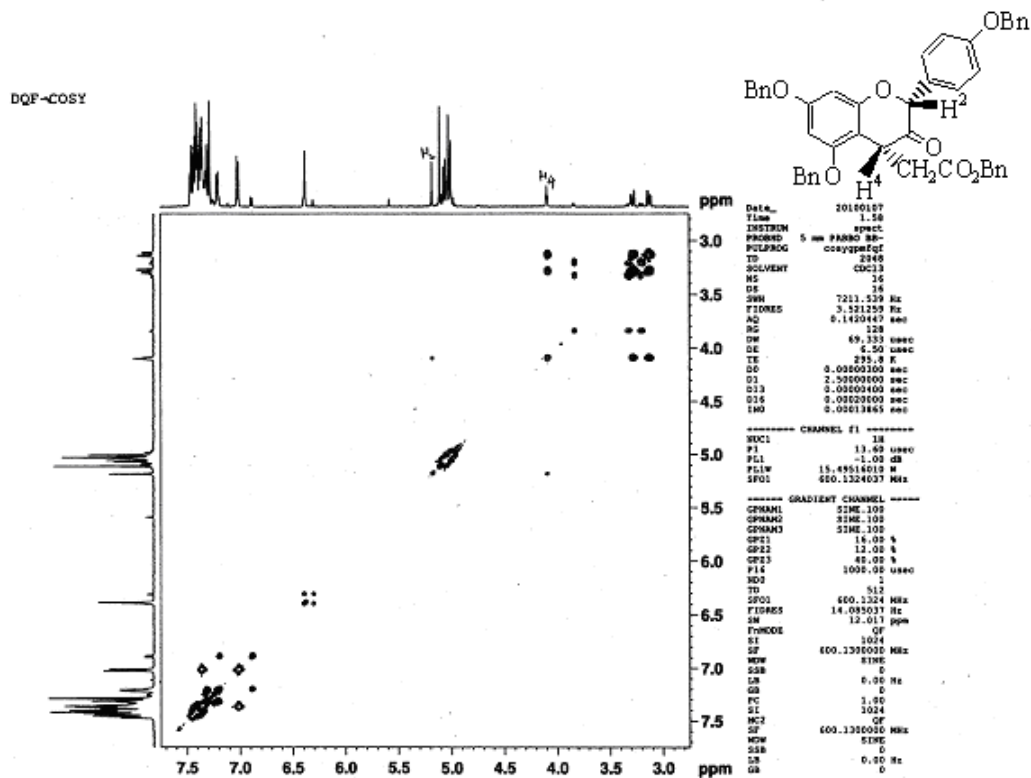


3. 2D NMR (NOESY) of compound 15a.

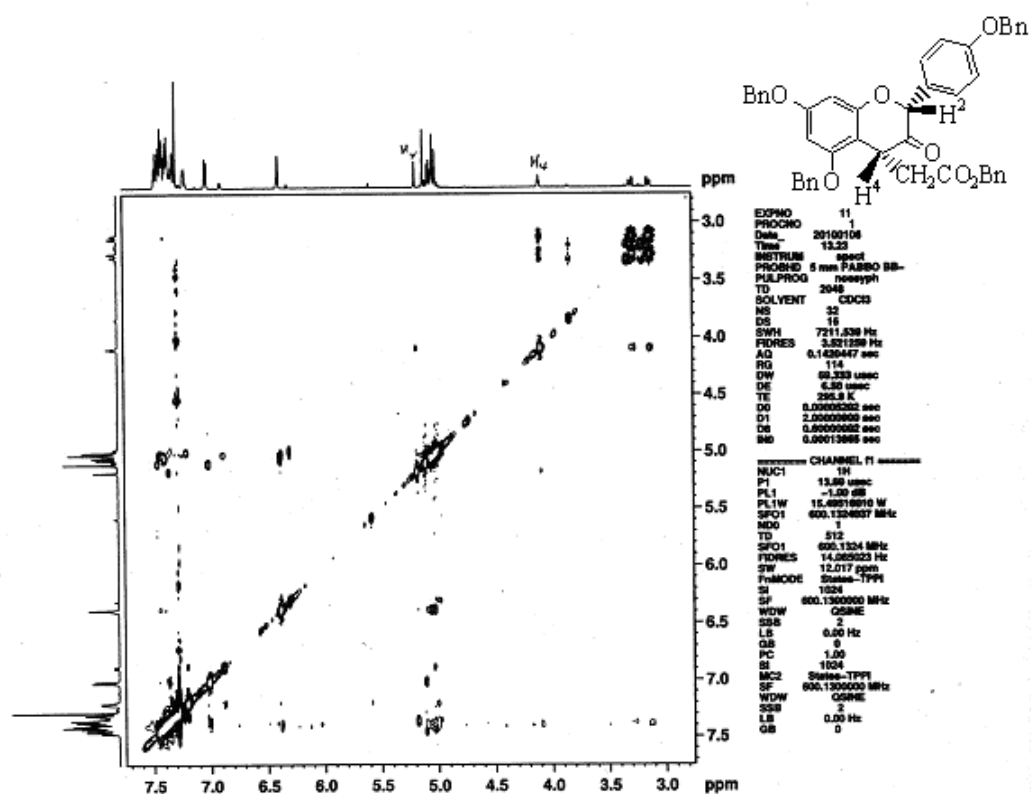
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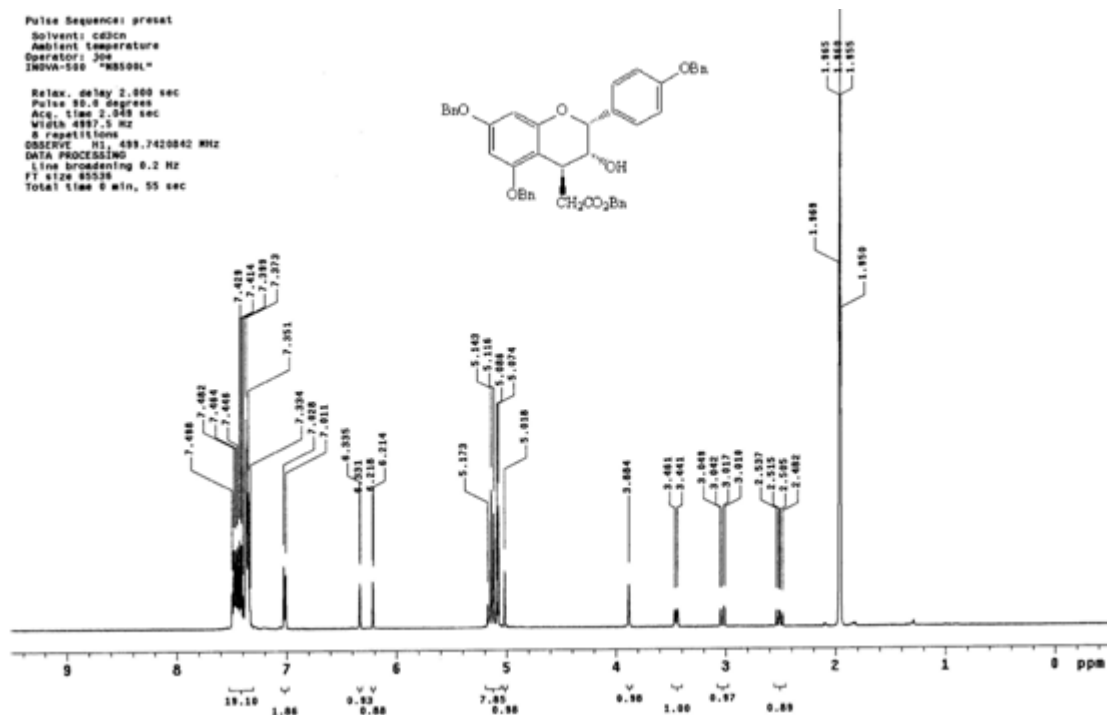
4. ¹H NMR of compound 15b.



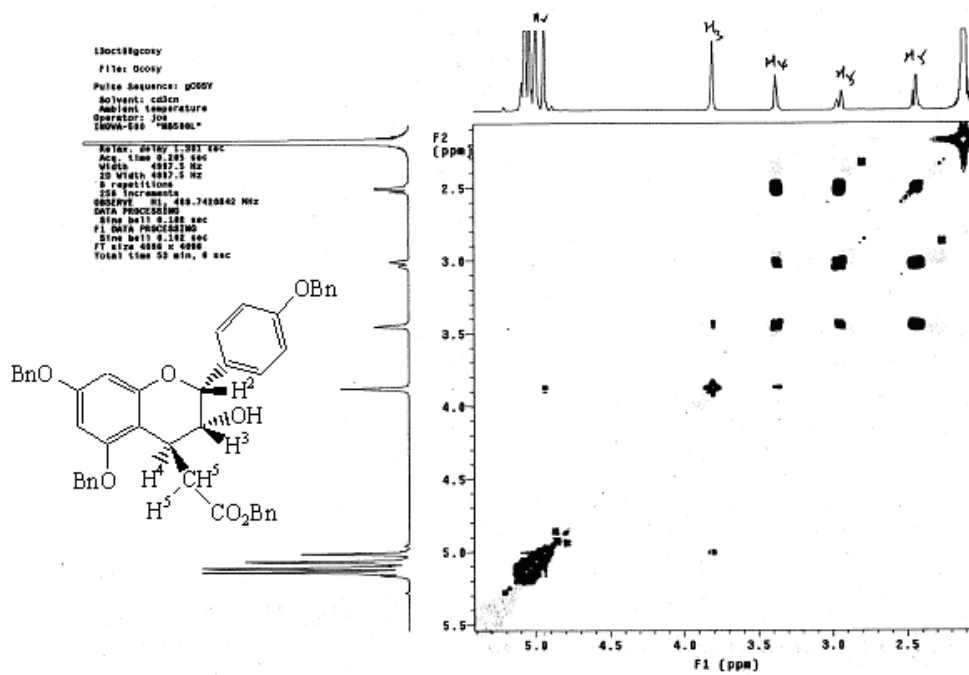
5. 2D NMR (COSY) of compound 15b.



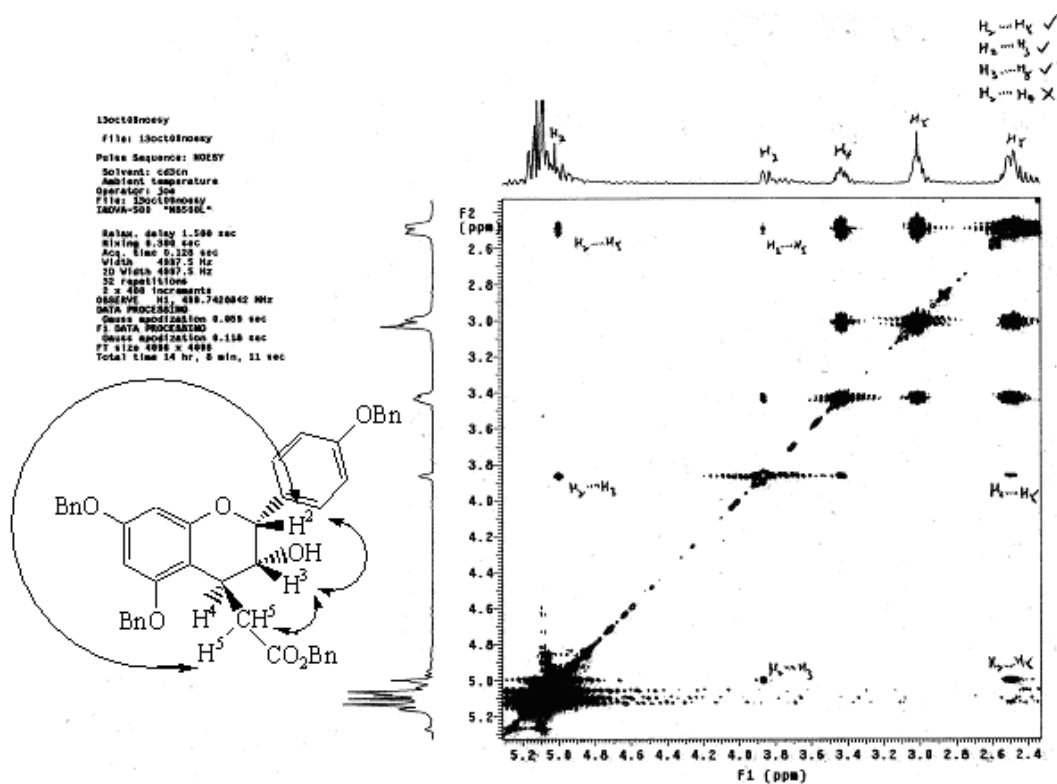
6. 2D NMR (NOESY) of compound 15b.



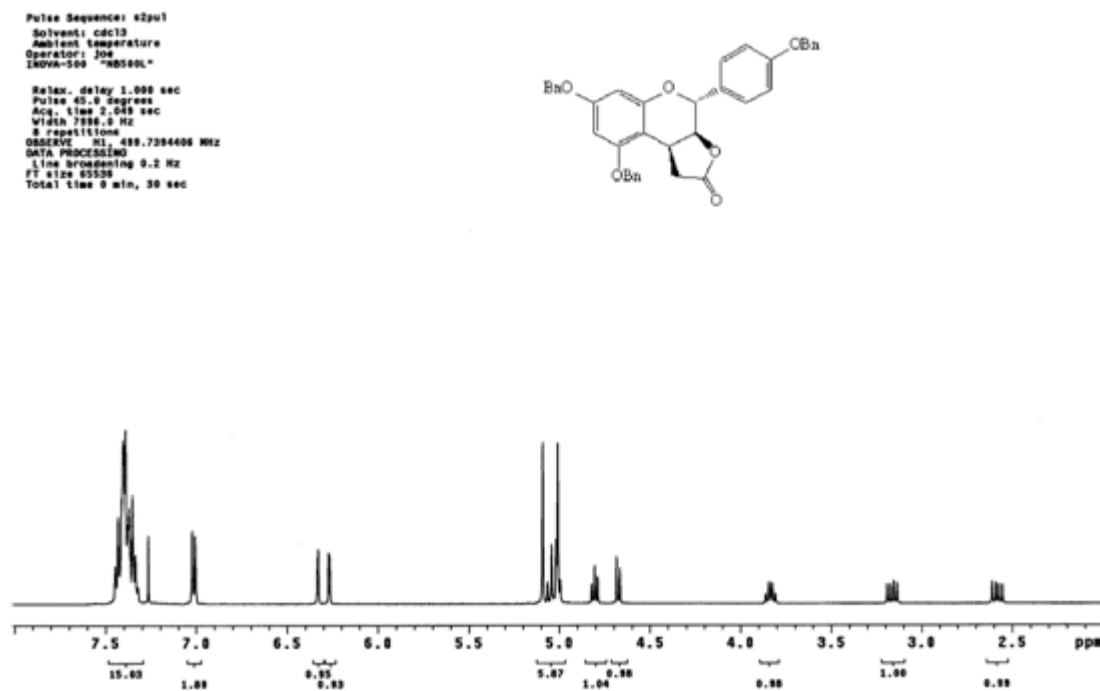
7. ¹H NMR of compound 16.



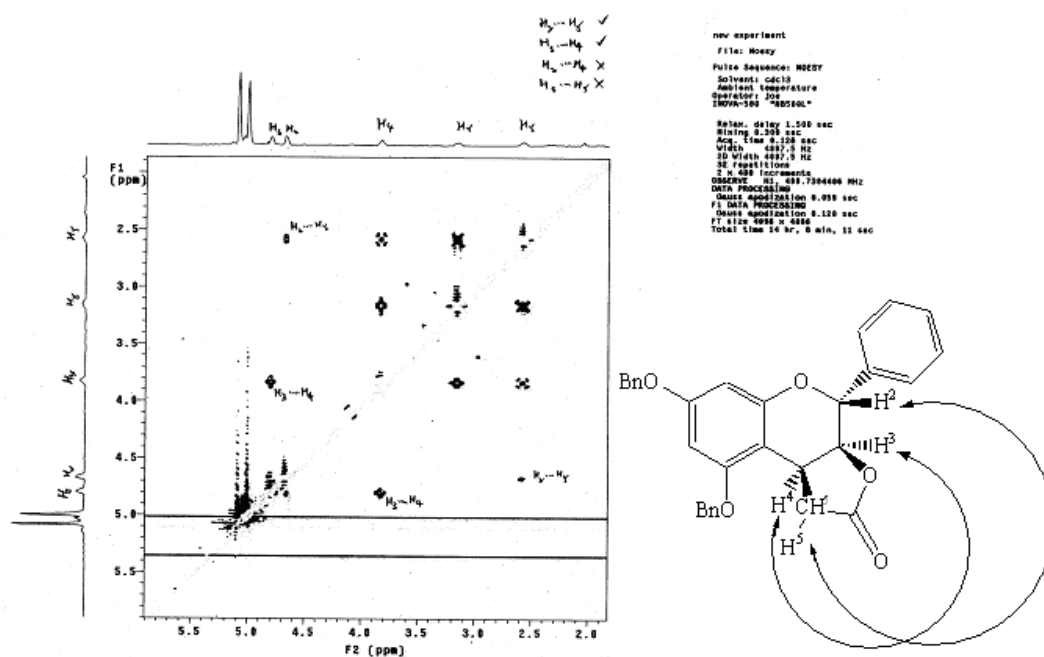
8. 2D NMR (COSY) of compound 16.



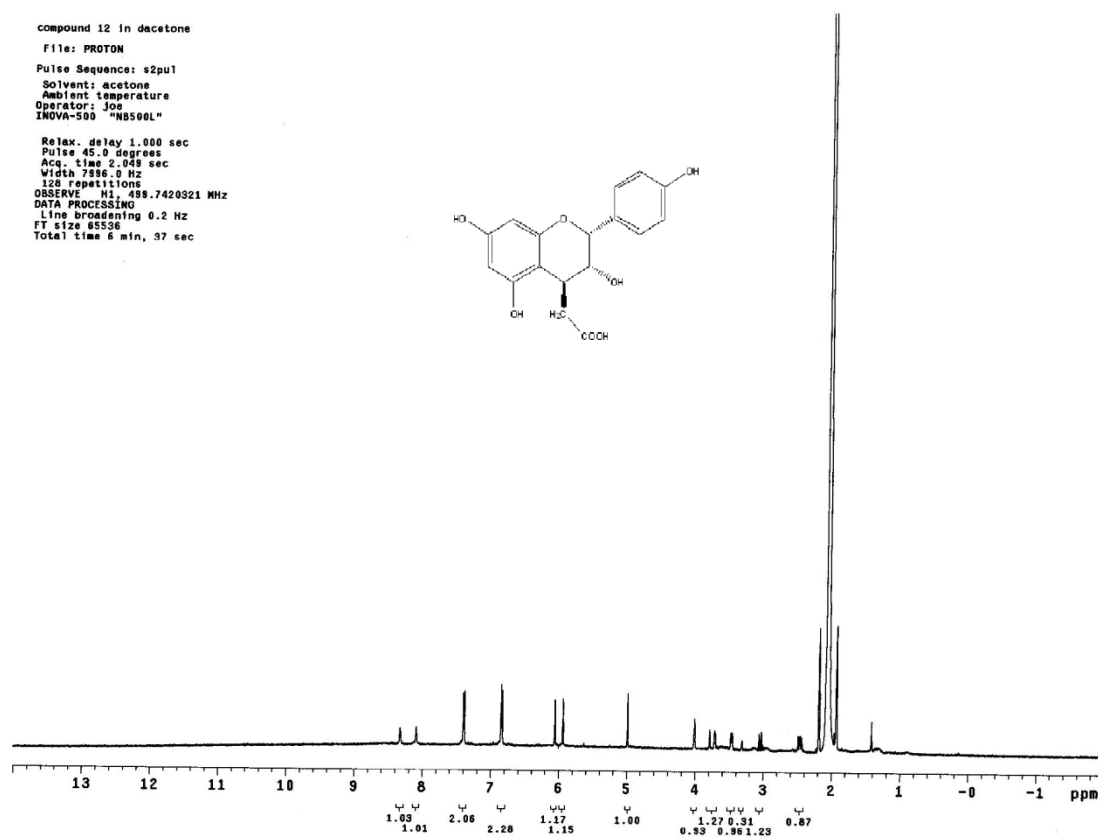
9. 2D NMR (NOESY) of compound 16.



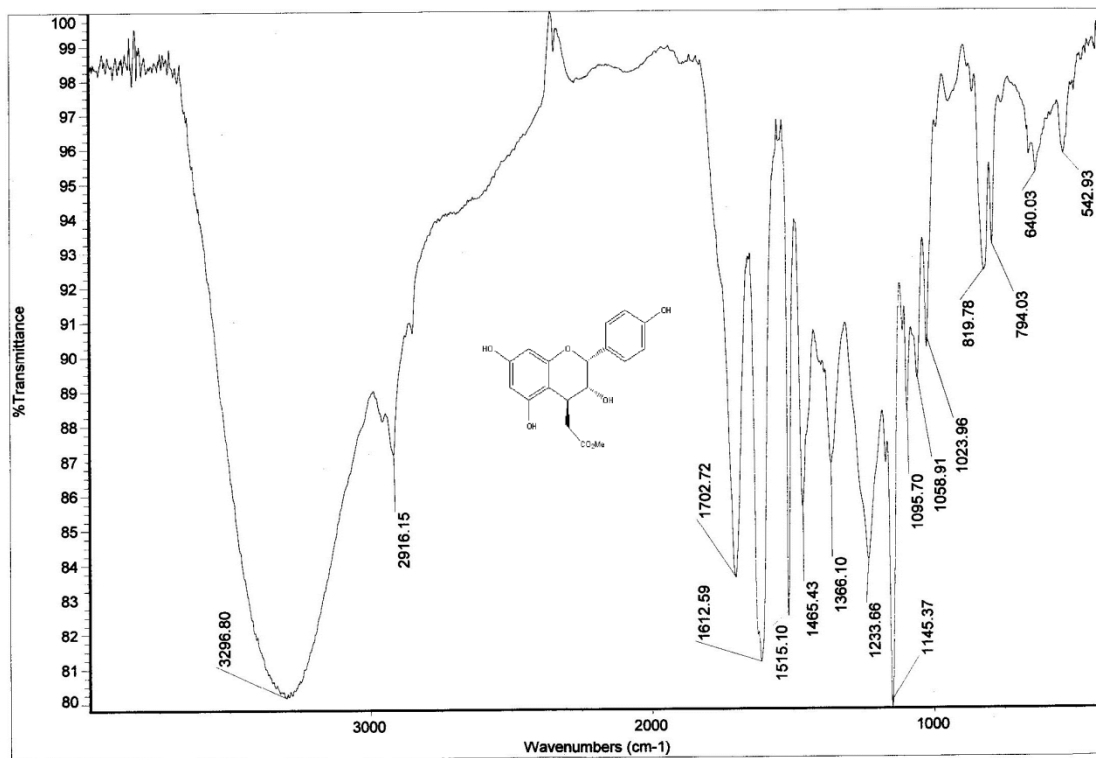
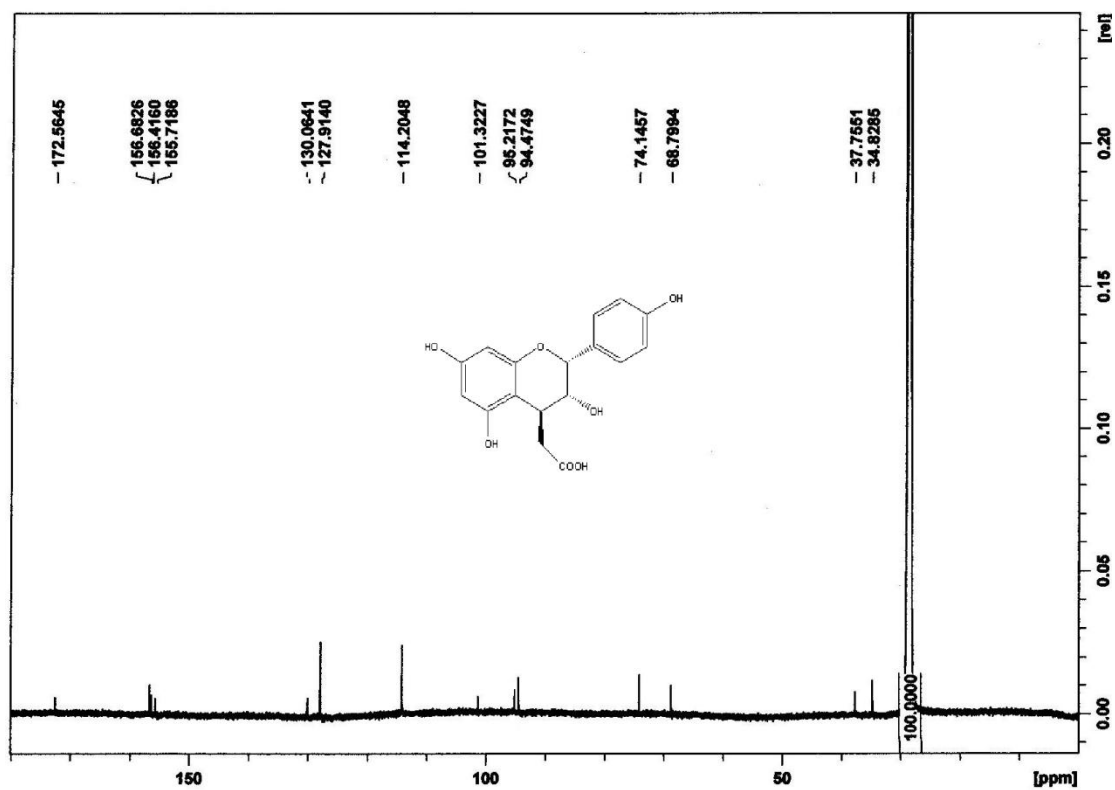
10. ¹H NMR of compound 17.

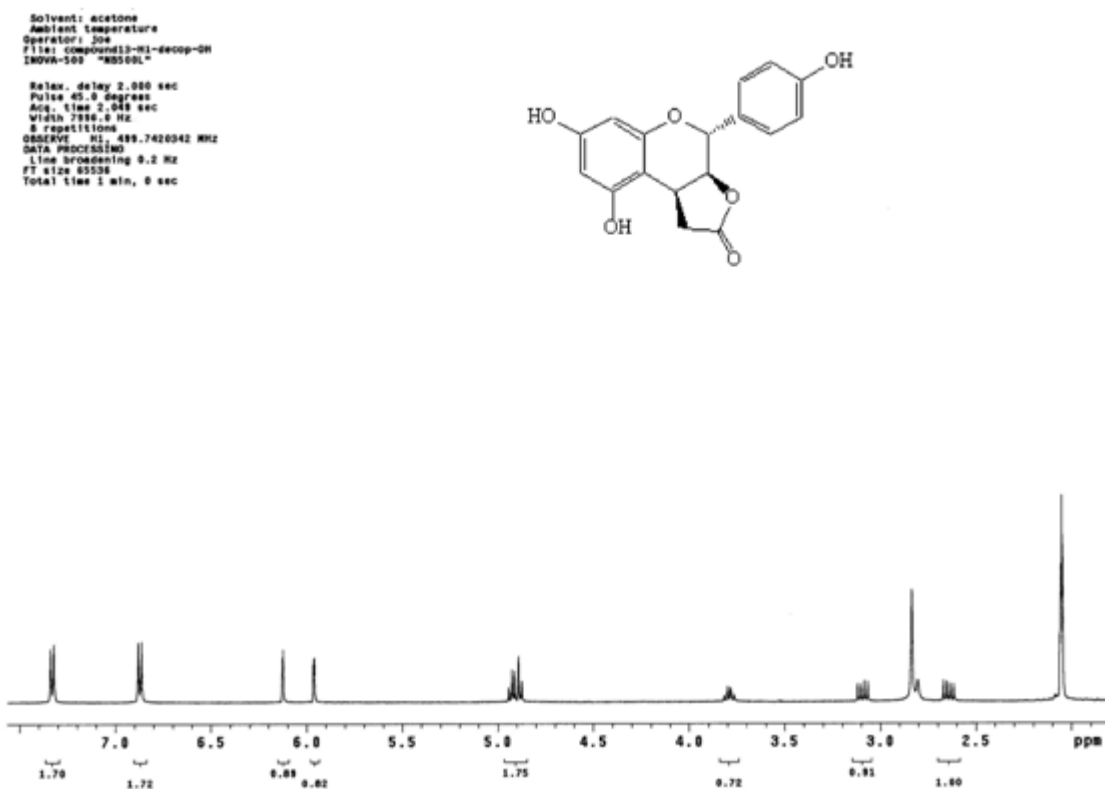


11. 2D NMR (NOESY) of compound 17.

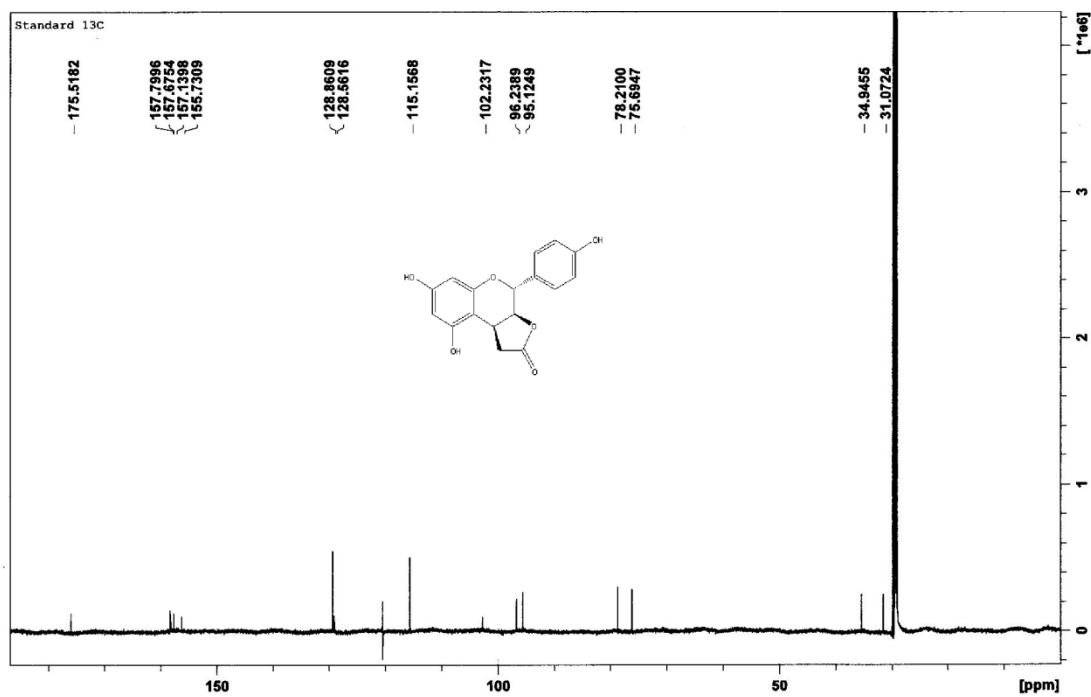


12. ¹H NMR of compound 12.

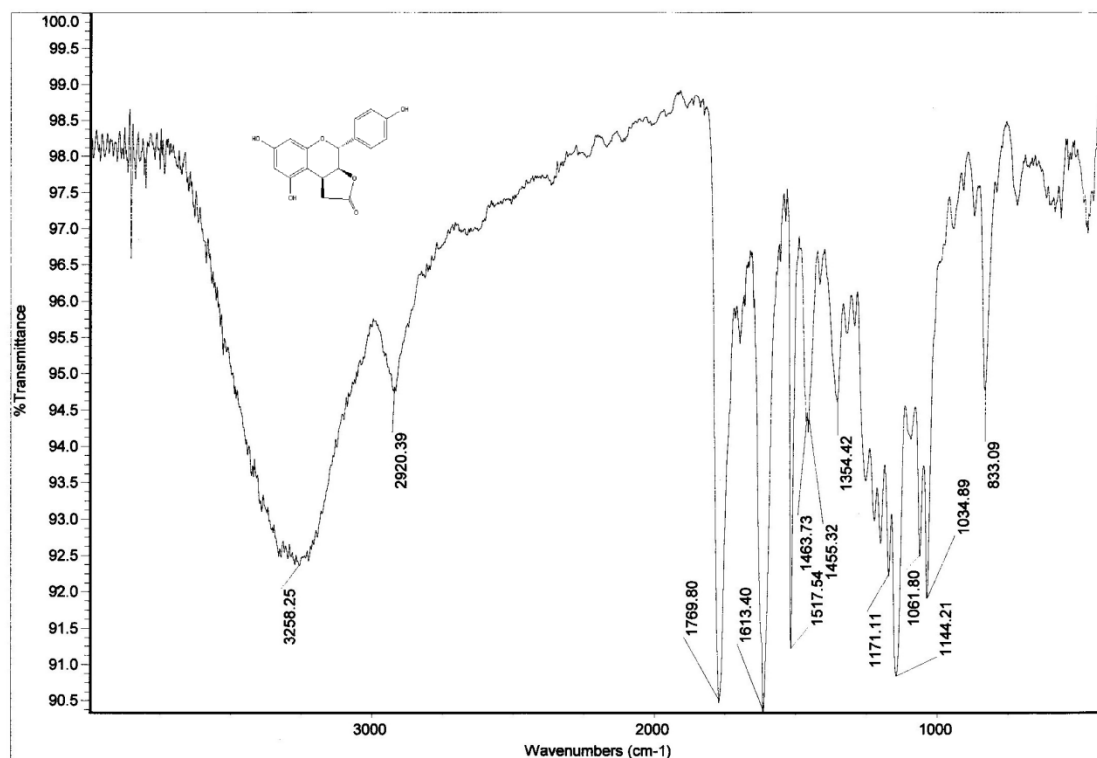




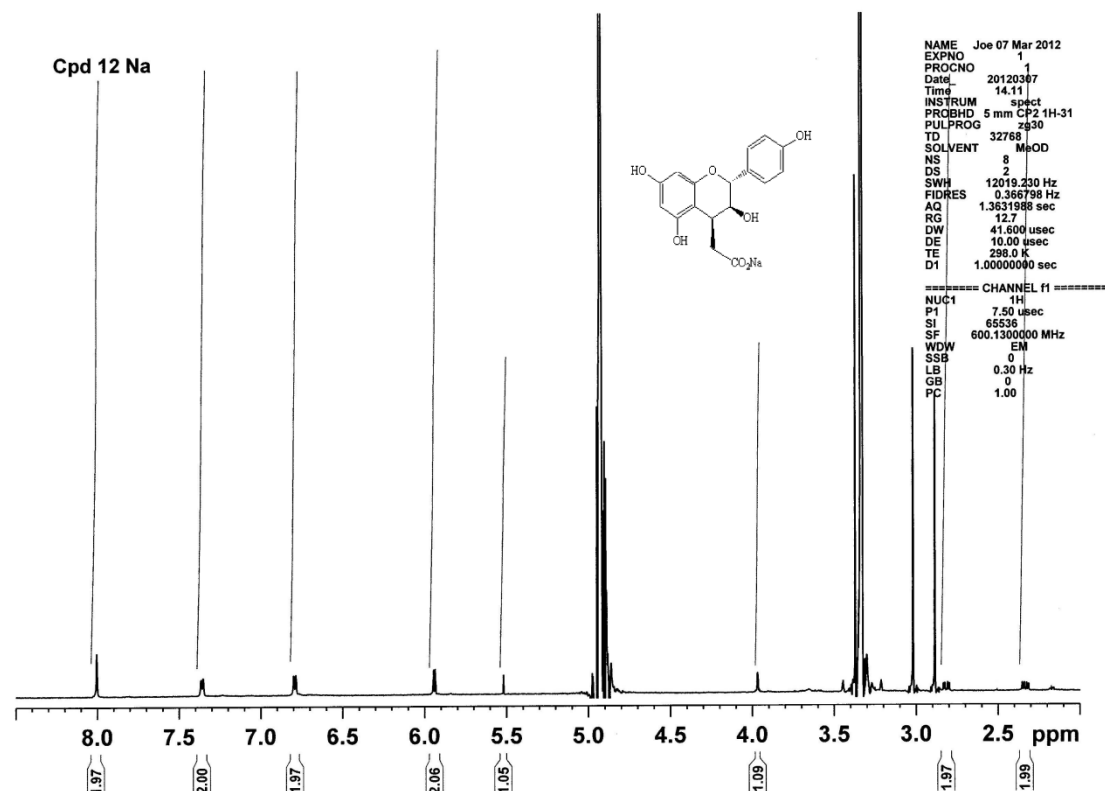
15. ^1H NMR of compound 13.



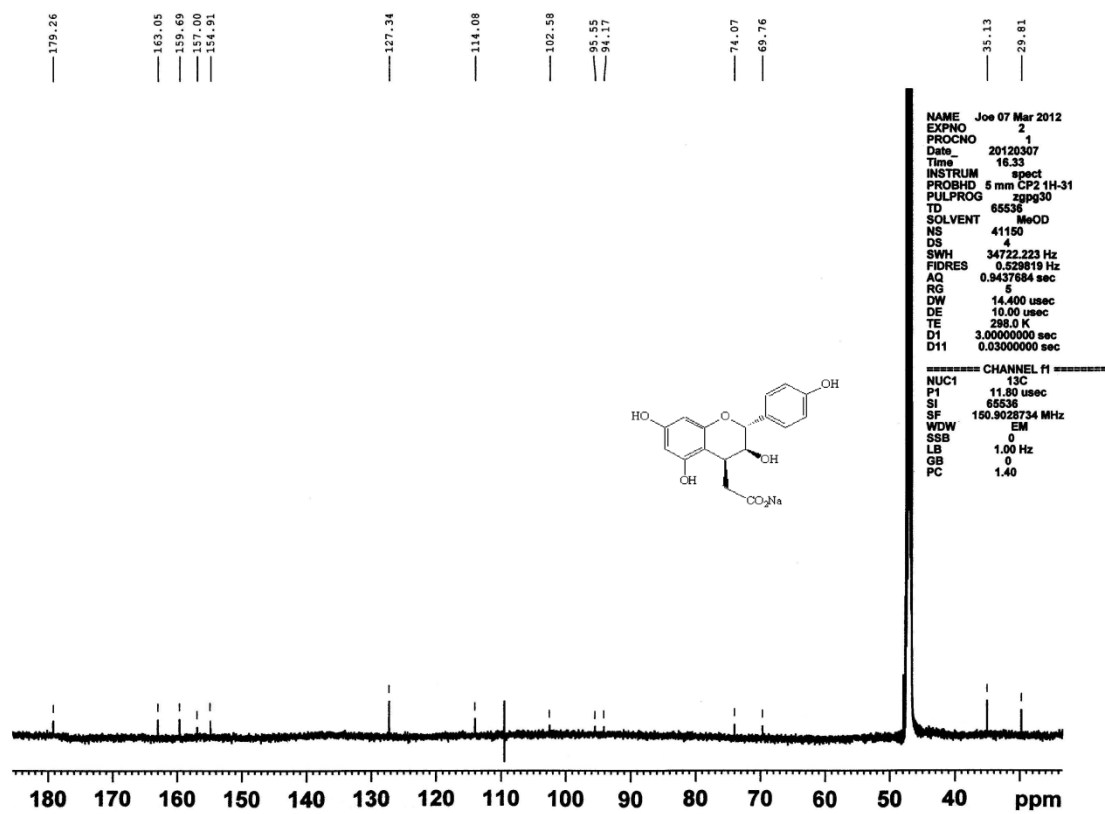
16. ^{13}C NMR of compound **13**.



17. IR of compound **13**.



18. ^1H NMR of compound **12Na**.



19. ¹³C NMR of compound 12Na.