

Supporting Information

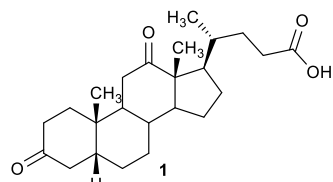
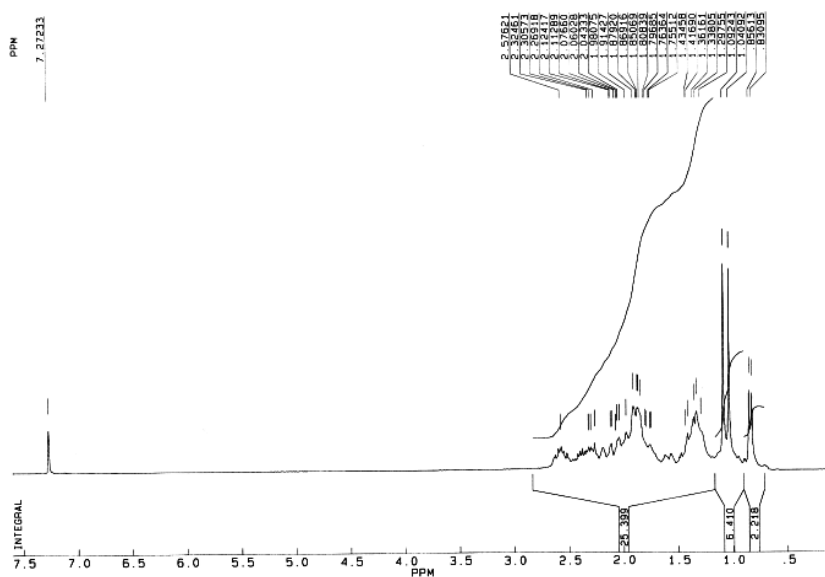
Microwave-assisted green synthesis of bile acid derivatives and evaluation of glucocorticoid receptor binding

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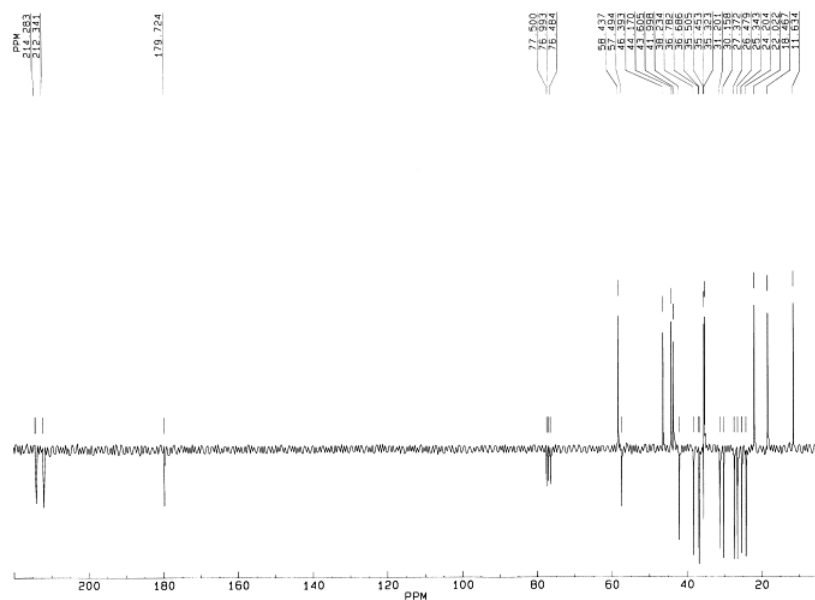
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^b*Department of Biology and Ecology, Faculty of Sciences, University of Novi Sad, Trg Dositeja Obradovića 2, 21 000 Novi Sad, Serbia*

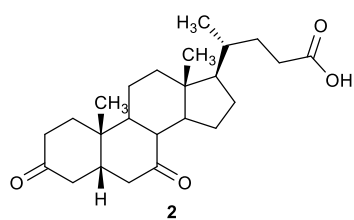
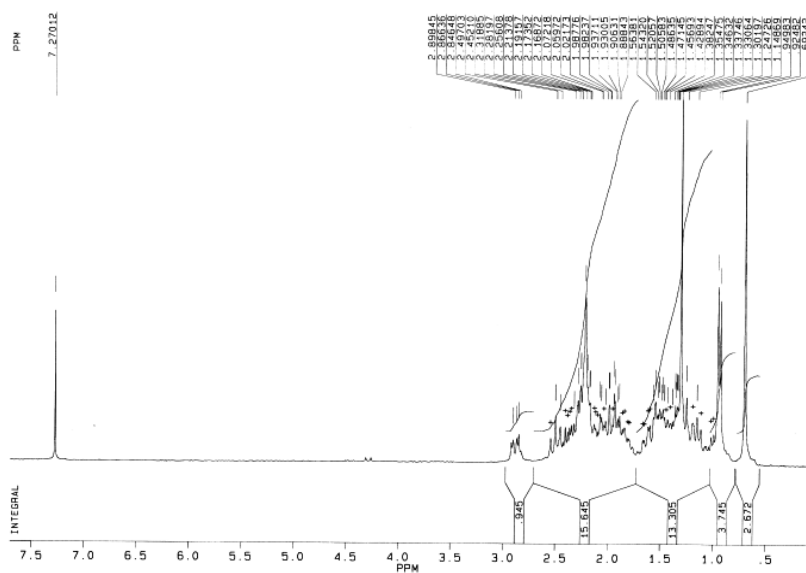
¹H NMR and ¹³C NMR spectra



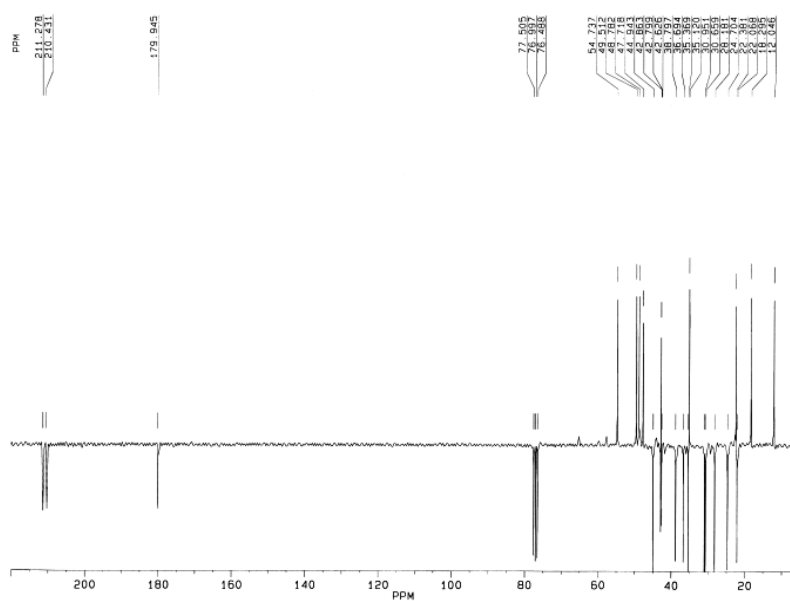
^1H NMR (250 MHz, CDCl_3) of 3,12-dioxo-5 β -cholanic acid (**1**)



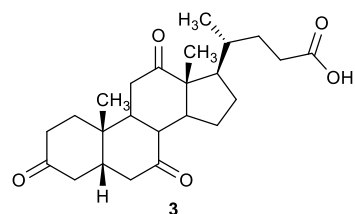
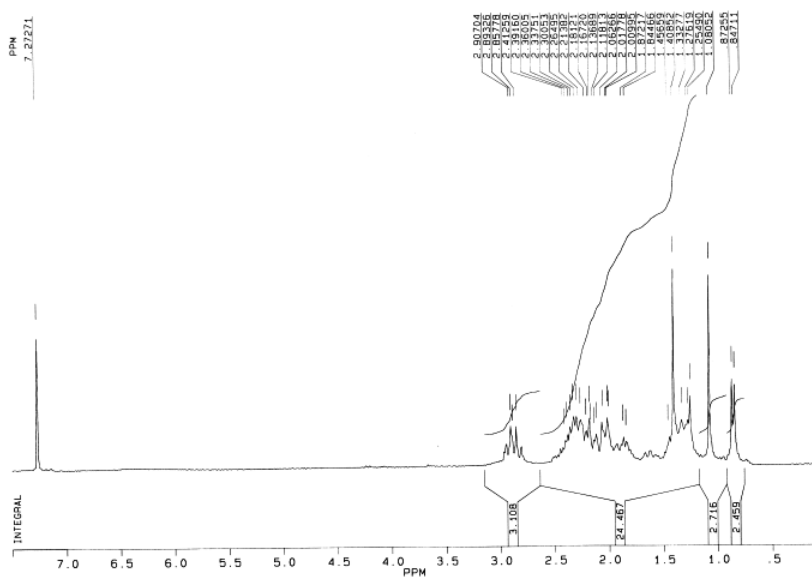
^{13}C -APT NMR (62.5 MHz, CDCl_3) of 3,12-dioxo-5 β -cholanic acid (**1**)



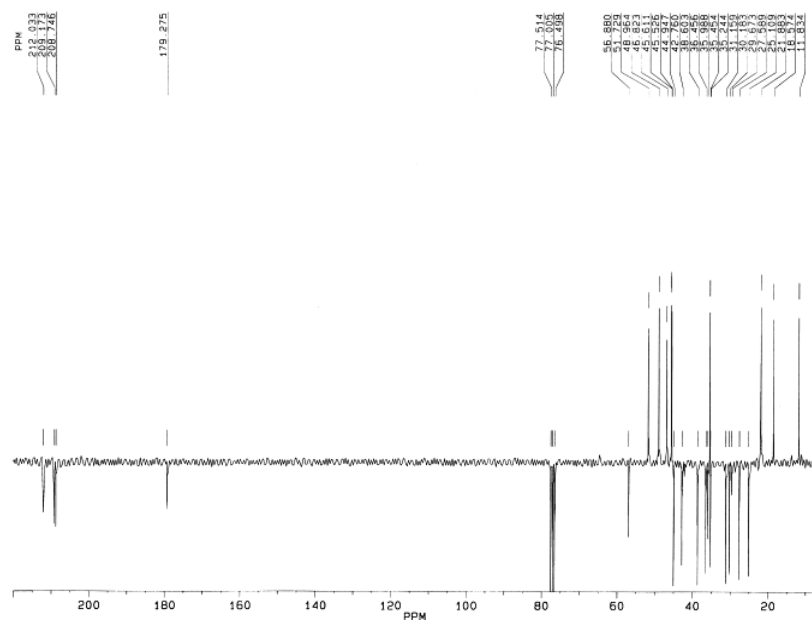
^1H NMR (250 MHz, CDCl_3) of 3,7-dioxo-5 β -cholanic acid (**2**)



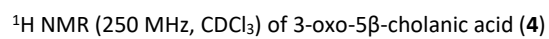
^{13}C -APT NMR (62.5 MHz, CDCl_3) of 3,7-dioxo-5 β -cholanic acid (**2**)

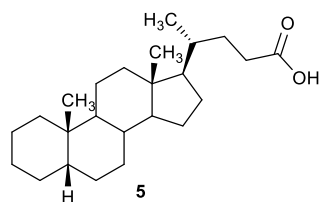
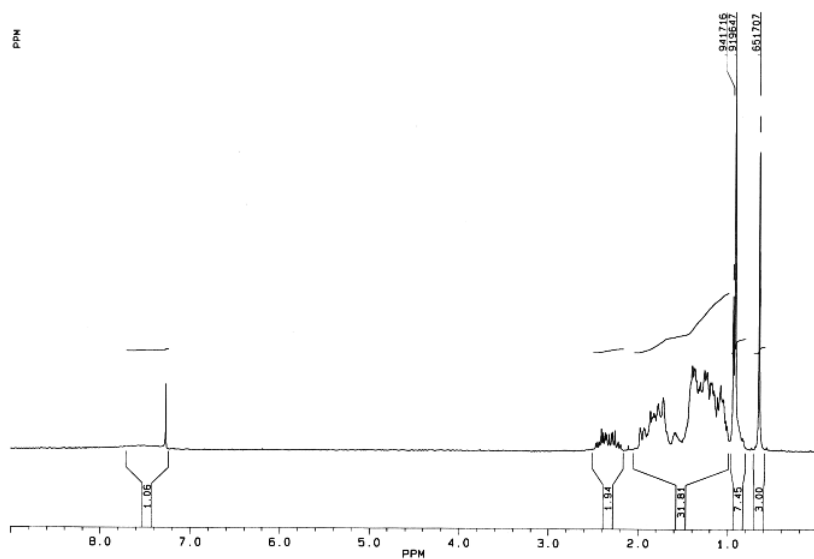


^1H NMR (250 MHz, CDCl_3) of 3,7,12-trioxo-5 β -cholanic acid (**3**)

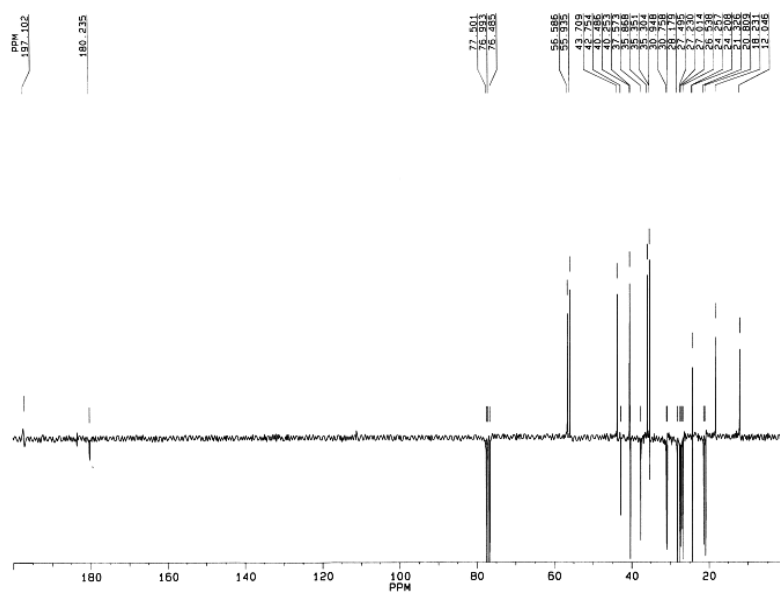


^{13}C -APT NMR (62.5 MHz, CDCl_3) of 3,7,12-trioxo-5 β -cholanic acid (**3**)

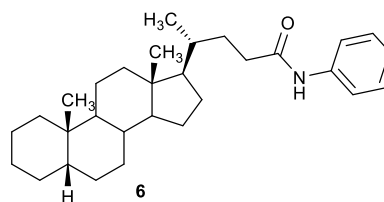
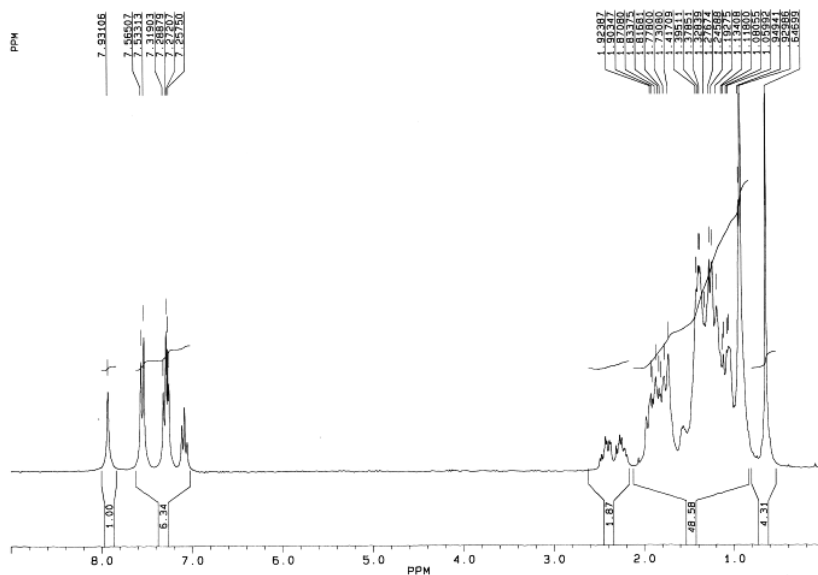
¹³C-APT NMR (62.5 MHz, CDCl₃) of 3-oxo-5β-cholanic acid (**4**)



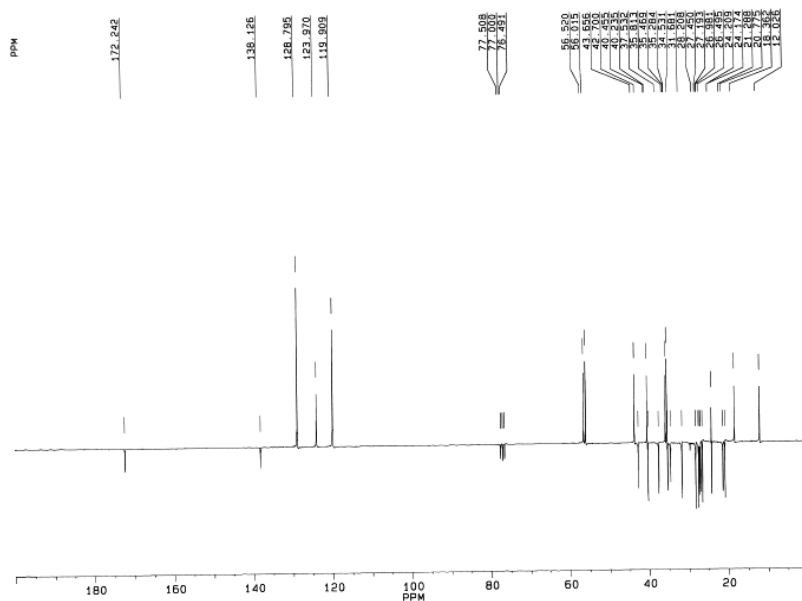
¹H NMR (250 MHz, CDCl₃) of 5β-cholanic acid (5)



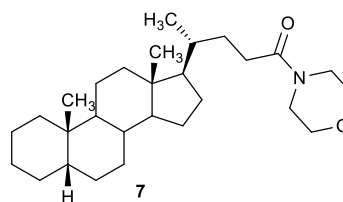
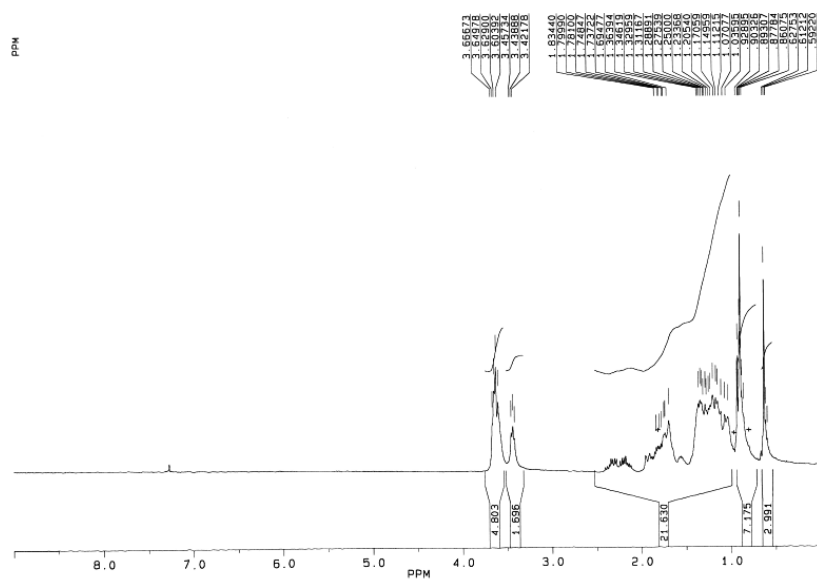
¹³C-APT NMR (62.5 MHz, CDCl₃) of 5β-cholanic acid (5)



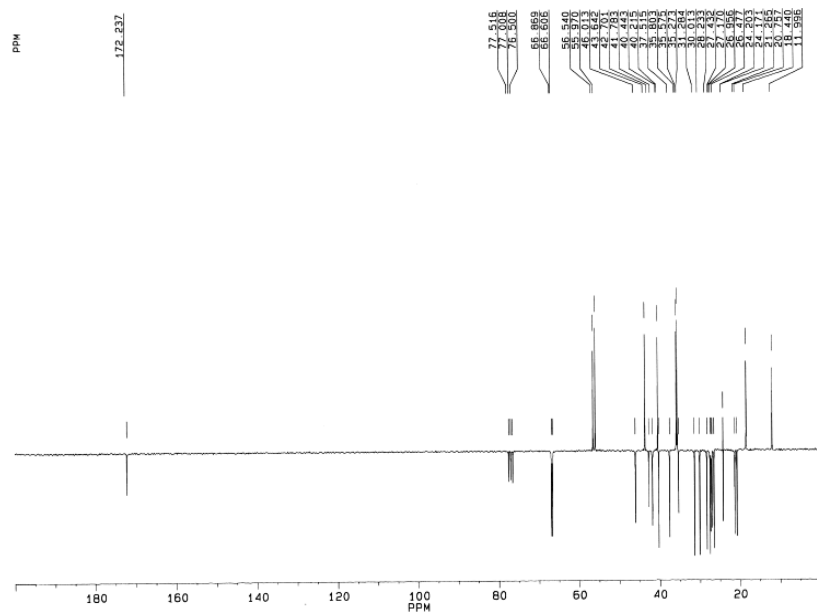
¹H NMR (250 MHz, CDCl₃) of *N*-phenyl-5β-cholan-24-amide (6)



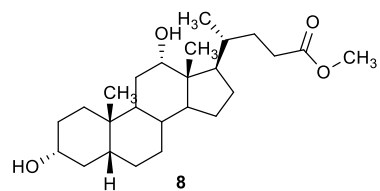
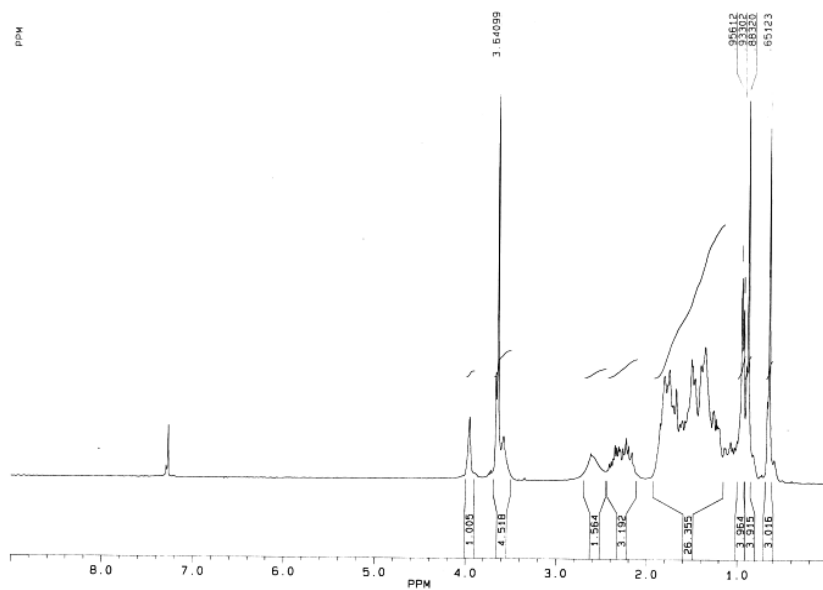
¹³C-APT NMR (62.5 MHz, CDCl₃) of *N*-phenyl-5β-cholan-24-amide (6)



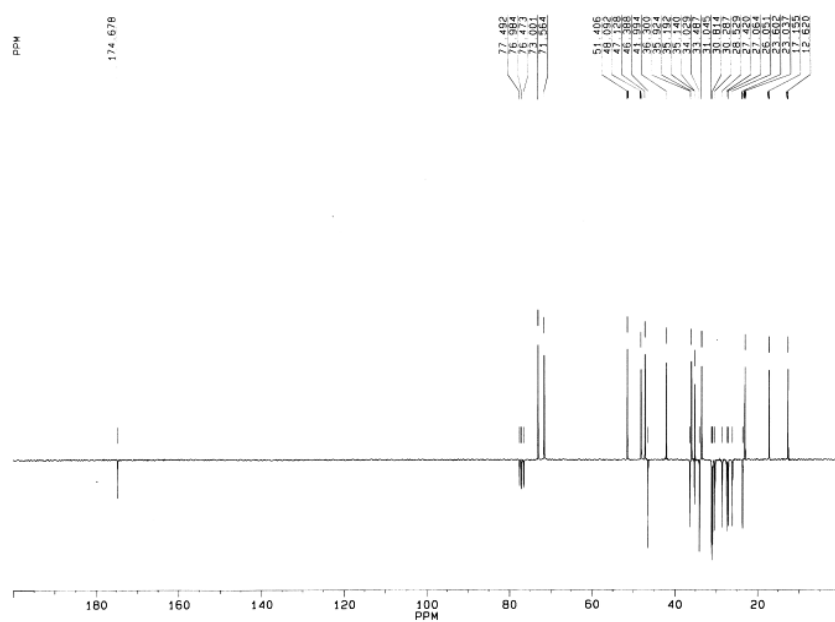
^1H NMR (250 MHz, CDCl_3) of *N*-morpholine-5 β -cholan-24-amide (**7**)



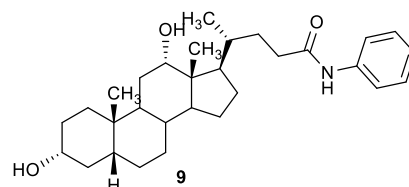
^{13}C -APT NMR (62.5 MHz, CDCl_3) of *N*-morpholine-5 β -cholan-24-amide (**7**)

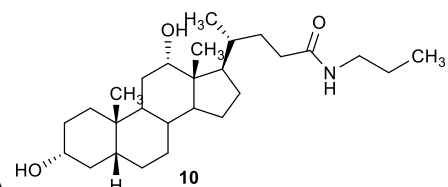
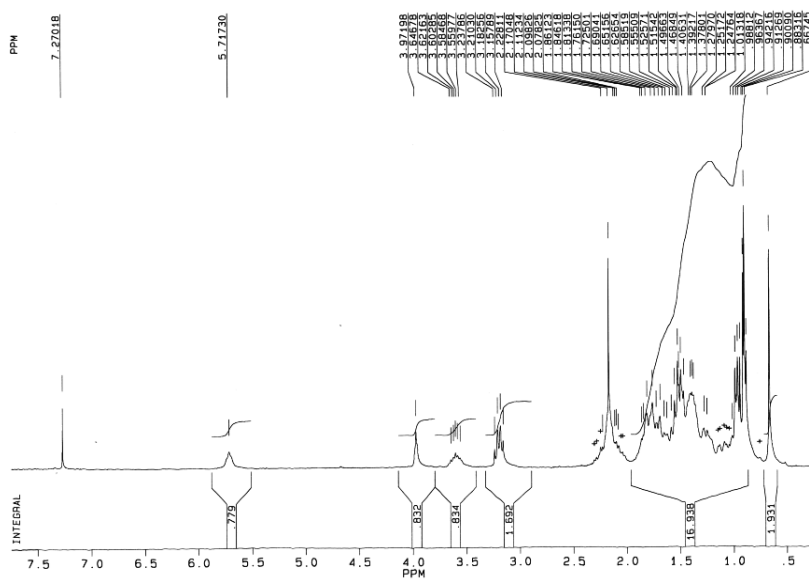


^1H NMR (250 MHz, CDCl_3) of methyl 3 α ,12 α -dihydroxy-5 β -cholan-24-oate (**8**)

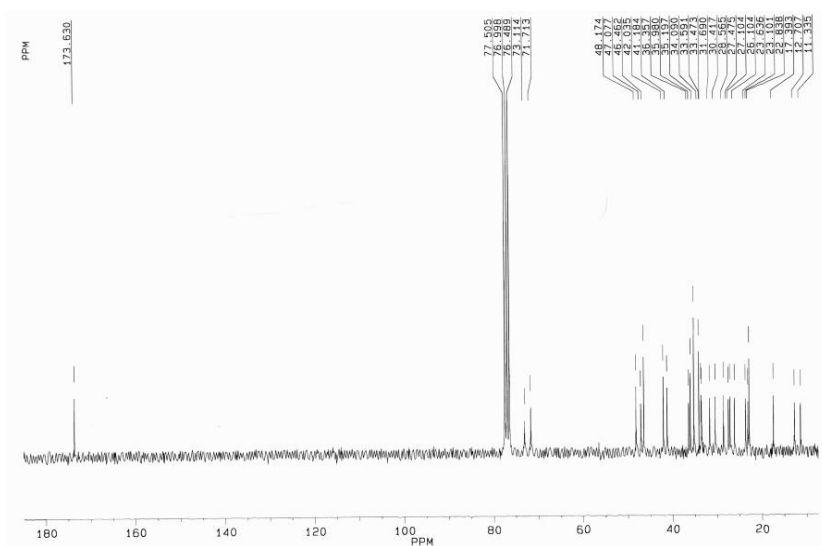


^{13}C -APT (62.5 MHz, CDCl_3) of methyl 3 α ,12 α -dihydroxy-5 β -cholan-24-oate (**8**)

¹³C-APT NMR (62.5 MHz, CDCl₃) of *N*-phenyl-3α,12α-dihydroxy-5β-cholan-24-amide (**9**)



^1H NMR (250 MHz, CDCl_3) of *N*-propyl-3 α ,12 α -dihydroxy-5 β -cholan-24-amide (**10**)



^{13}C NMR (62.5 MHz, CDCl_3) of *N*-propyl-3 α ,12 α -dihydroxy-5 β -cholan-24-amide (**10**)