

- Fig. 1 MS spectrum of Cholesta-3,5-diene.
- Fig. 2 IR spectrum of Cholesta-3,5-diene.
- Fig. 3 UV spectrum of Cholesta-3,5-diene.
- Fig. 4 MS spectrum of cholest-5,7-dien-3,6-diol benzophenide
- Fig. 5 UV spectrum of cholest-5,7-dien-3,6-diol benzophenide
- Fig. 6 IR spectrum of cholest-5,7-dien-3, 6-diol benzophenide.
- Fig. 7 ^1H NMR spectrum of cholest-5,7-dien-3,6-diol benzophenide.
- Fig. 8 ^{13}C NMR spectrum of cholest-5,7-dien-3,-6-diol benzophenide.
- Fig. 9 Drieding model of cholest-5,7-dien-3,-6-diol benzophenide.
- Fig. 10 IR spectrum of 2-methyl-4,6-diphenyl benzophenone.
- Fig. 11 UV spectrum of 2-methyl-4,6-diphenyl benzophenone.

- Fig. 12 MS spectrum of 2-methyl-4,6-diphenyl benzophenone.
- Fig. 13 ^1H NMR spectrum of 2-methyl-4,6-diphenyl benzophenone.
- Fig. 14 ^{13}C NMR spectrum of 2-methyl-4,6-diphenyl benzophenone
- Fig. 15 ^{13}C NMR spectrum of 2-methyl-4,6-diphenyl benzophenone.
- Fig. 16 MS spectrum of 5-bromo-6-keto-cholesteryl acetate.
- Fig. 17 IR spectrum of 5-bromo-6-keto cholesteryl acetate.
- Fig. 18 UV spectrum of 5-bromo-6-keto cholesteryl acetate.
- Fig. 19 ^1H NMR spectrum of 5-bromo-6-keto cholesteryl acetate.
- Fig. 20 ^{13}C NMR spectrum of 5-bromo-6-keto cholesteryl acetate.
- Fig. 21 MS spectrum of 6α -bromo- 5β hydroxy coprostan- 3β yl acetate.
- Fig. 22 IR spectrum of 6α -bromo- 5β hydroxy coprostan- 3β -yl acetate
- Fig. 23 ^1H NMR spectrum of 6α -bromo- 5β hydroxy coprostan- 3β -yl acetate.

- Fig. 24 ^{13}C NMR spectrum of 6α -bromo- 5β -hydroxy coprostan- 3β -yl acetate.
- Fig. 25 IR spectrum of 5α -hydroxy, 6-keto-cholest- 3β -yl acetate.
- Fig. 26 MS spectrum of 5α -hydroxy, 6-keto-cholest- 3β -yl acetate.
- Fig. 27 ^1H NMR spectrum of 5α -hydroxy, 6-keto-cholest- 3β -yl acetate.
- Fig. 28 ^{13}C NMR spectrum of 5α -hydroxy, 6-keto-cholest- 3β -yl acetate.
- Fig. 29 IR spectrum of cholestan- 5α , 6β diol- 3β yl acetate
- Fig. 30 MS spectrum of cholestan- 5α , 6β diol- 3β yl acetate
- Fig. 31 ^1H NMR spectrum of cholestan- 5α , 6β diol- 3β -yl acetate.
- Fig. 32 ^{13}C NMR spectrum of cholestan- 5α , 6β diol- 3α yl acetate.
- Fig. 33 MS spectrum of 6-keto-cholestan- 3β , 5α -diol.
- Fig. 34 MS spectrum of 6-keto-cholestan- 3β , 5α -diol.

- Fig. 34 IR spectrum of 6-keto-cholestan-3 β , 5 α -diol.
- Fig. 35 ^1H NMR spectrum of 6-keto-cholestan-3 β , 5 α -diol.
- Fig. 36 ^{13}C NMR spectrum of 6-keto-cholestan-3 β , 5 α -diol.
- Fig. 38 MS spectrum of cholestan-3 β , 5 α , 6 β -triol.
- Fig. 37 IR spectrum of cholestan-3 β , 5 α , 6 β -triol.
- Fig. 39 ^1H NMR spectrum of cholestan-3 β , 5 α , 6 β -triol.
- Fig. 40 ^{13}C NMR spectrum of cholestan-3 β , 5 α , 6 β -triol.
- Fig. 41 IR spectrum of cholesta 5 α -hydroxy-3 β , 6 β -diyl acetate.
- Fig. 42 MS spectrum of cholesta 5 α -hydroxy 3 β , 6 β -diyl acetate.
- Fig. 43 ^1H NMR spectrum of cholesta 5 α -hydroxy 3 β , 6 β -diyl acetate
- Fig. 44 ^{13}C NMR spectrum of cholesta 5 α -hydroxy 3 β , 6 β -diyl acetate.

- Fig. 45 MS spectrum of 3β -acetoxy-30-bromo-lup-18(19),
20(29)-diene.
- Fig. 46 IR spectrum of 3β -acetoxy-30-bromo-lup-18(19),
20(29)-diene.
- Fig. 47 ^1H NMR spectrum of 3β -acetoxy-30-bromo-lup-18(19),
20(29)-diene.
- Fig. 48 IR spectrum of 3β -acetoxy-30-bromo-lup-18(19),
20(29)diene-28-methyl carboxylate.
- Fig. 49 MS spectrum of 3β -acetoxy-30-bromo-lup-18(19),
20(29)diene-28-methyl carboxylate.
- Fig. 50 ^1H NMR spectrum of 3β -acetoxy-30-bromo-lup-18(19),
20(29)diene-28-methyl carboxylate.
- Fig. 51 ^{13}C NMR spectrum of 3β -acetoxy-30-bromo-lup-18(19),
20(29)diene-28-methyl carboxylate.
- Fig. 52 IR spectrum of (E) 3β acetoxy-29-bromo-lup-18(19),
20(29)-diene-28-methyl carboxylate.
- Fig. 53 MS spectrum of (E) 3β acetoxy-29-bromo-lup-18(19),
20(29)-diene 28 methyl carboxylate.
- Fig. 54 ^1H NMR spectrum of (E) 3β acetoxy-29-bromo-lup-18(19),
20(29)-diene-28-methyl carboxylate.

- Fig. 55 ^{13}C NMR spectrum of (E) 3β acetoxy-29-bromo-lup-18(19), 20(29)-diene-28-methyl carboxylate
- Fig. 56 IR spectrum of 3β acetyl-29,30-dibromo-lup-28 \rightarrow 19-olide.
- Fig. 57 MS spectrum of 3β acetyl 29,30-dibromo-lup-28 \rightarrow 19-olide.
- Fig. 58 ^1H NMR spectrum of 3β -acetyl-29,30-dibromo-lup-28 \rightarrow 19-olide.
- Fig. 59 IR spectrum of lup-20(29)ene, 28 \rightarrow 19-olide, 3β , 30-di-yl acetate.
- Fig. 60 MS spectrum of lup 20(29)ene, 28 \rightarrow 19-olide, 3β , 30-di-yl acetate
- Fig. 61 ^1H NMR spectrum of lup-20(29)ene, 28 \rightarrow 19-olide, 3β , 30-di-yl acetate.
- Fig. 61a IR spectrum of 3β -~~o~~-acetyl odolactone
- Fig. 62 MS spectrum of 3β -~~o~~-acetyl odollactone
- Fig. 63 IR spectrum of 3β -~~o~~-dodollactone
- Fig. 64 MS spectrum of 3β -odollactone.
- Fig. 65 ^1H NMR spectrum of 3β -odollactone.

- Fig. 66 IR spectrum of 3-deoxy-odolactone.
- Fig. 67 MS spectrum of 3-deoxy-odolactone
- Fig. 68 ^1H NMR spectrum of 3-deoxy-odolactone.
- Fig. 69 IR spectrum of 3-deoxy-iso-odolactone.
- Fig. 70 MS spectrum of 3-deoxy iso-odo[^]lactone
- Fig. 71 ^1H NMR spectrum of 3-deoxy-iso-odo[^]lactone.
- Fig. 72 ^{13}C NMR spectrum of 3-deoxy-iso-odo[^]lactone.
- Fig. 73 IR spectrum of 3-deoxy-iso-odolactol.
- Fig. 74 MS spectrum of 3-deoxy-iso-odolactol.
- Fig. 75 ^1H NMR spectrum of 3-deoxy-iso-odolactol.
- Fig. 76 IR spectrum of 3-deoxy tri-chadenic acid.
- Fig. 77 ^1H NMR spectrum of 3-deoxy-methyl trichadenate

- Fig. 78 MS spectrum of 3-deoxy-methyl trichadenate.
- Fig. 79 IR spectrum of friedellan-15 α , 27-diol.
- Fig. 80 ^1H NMR spectrum of friedelan-15 α , 27-diol.
- Fig. 81 MS spectrum of friedelan-15 α , 27-diol.
- Fig. 82 IR spectrum of friedelan-16 α , 27-diol
- Fig. 83 MS spectrum of friedelan 16 α , 27-diol
- Fig. 84 ^1H NMR spectrum of friedelan-16 α , 27-diol.