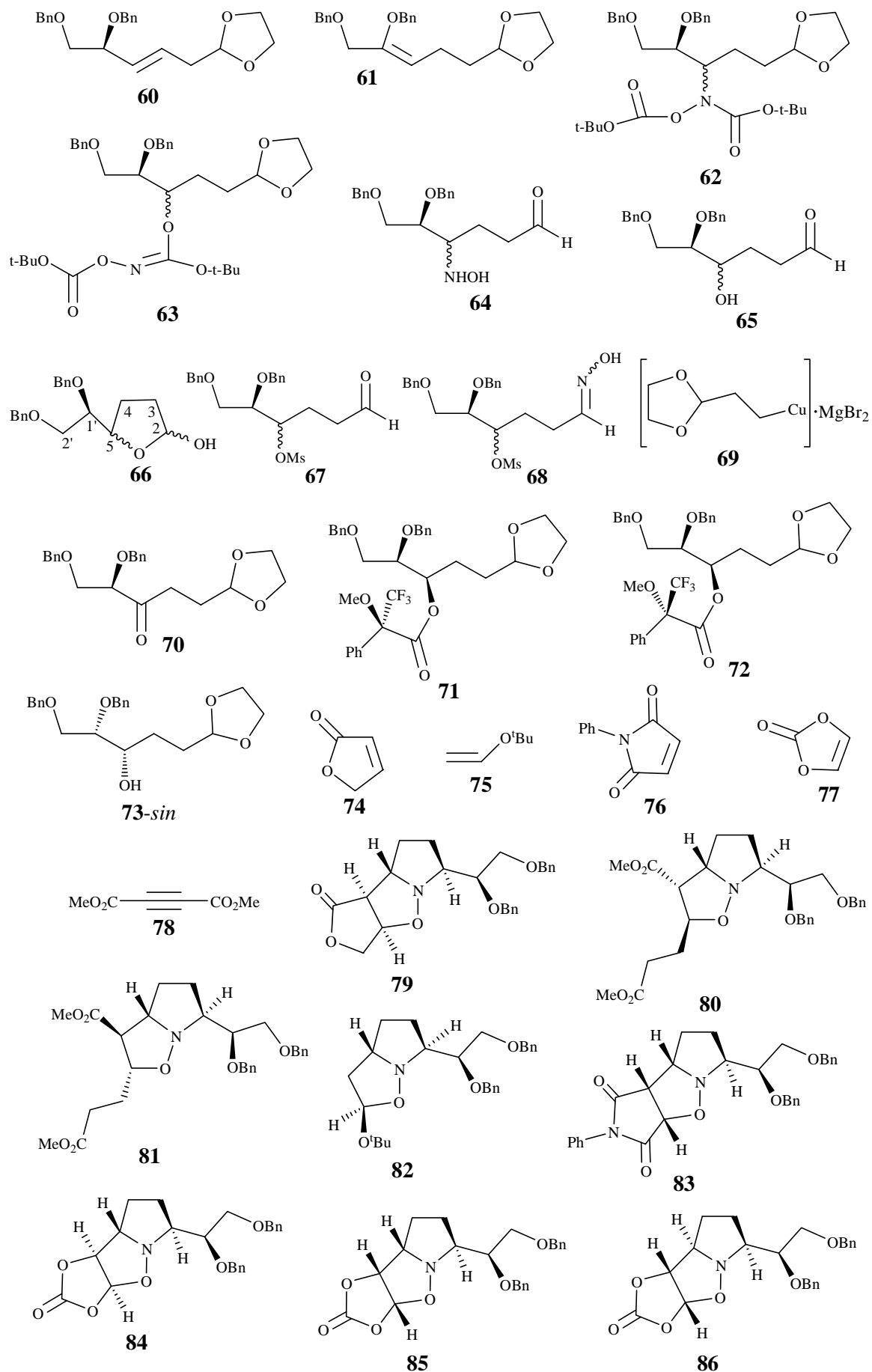
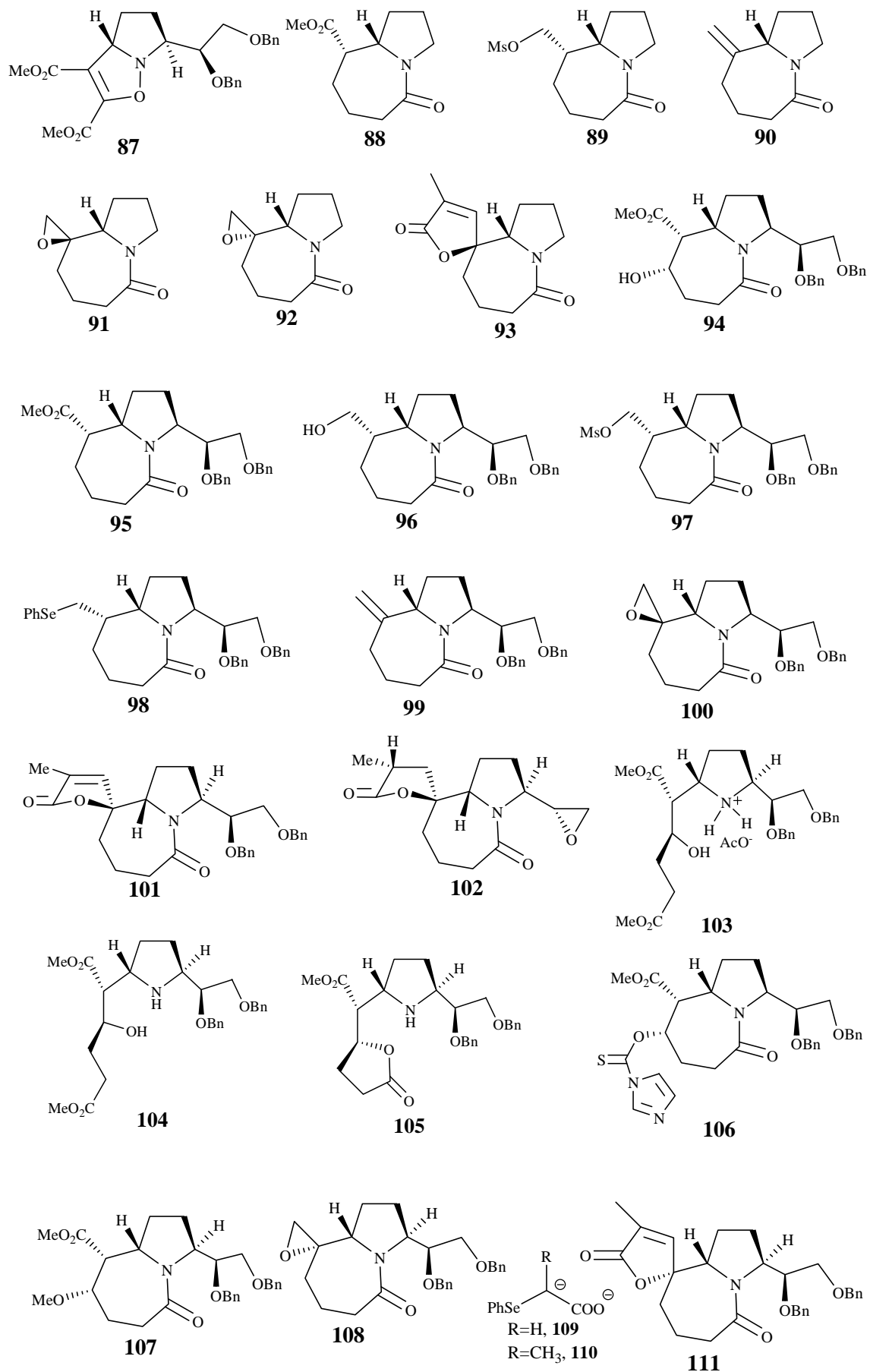


VII. ÍNDICE DE FÓRMULAS

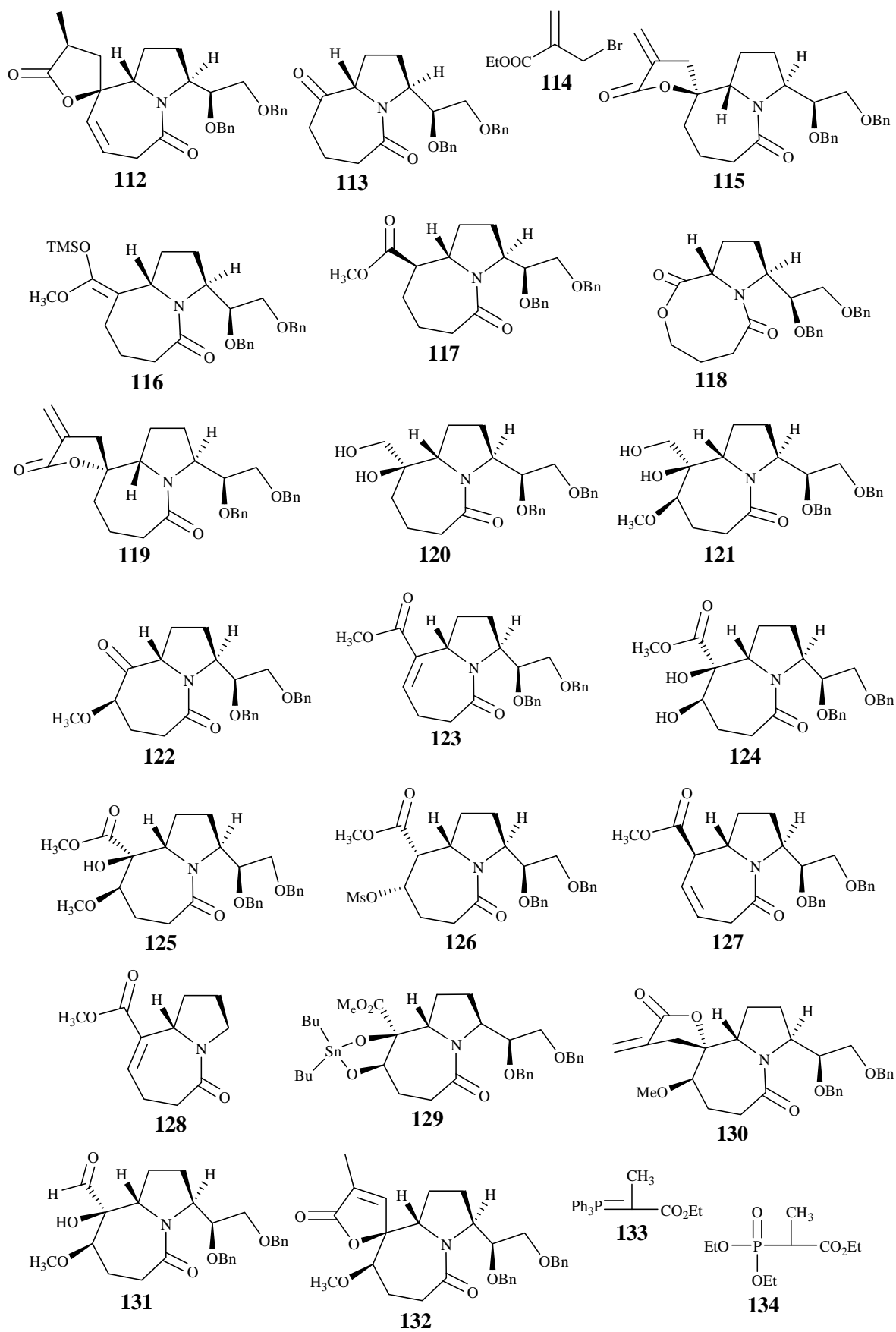
VII. Índice de fórmulas

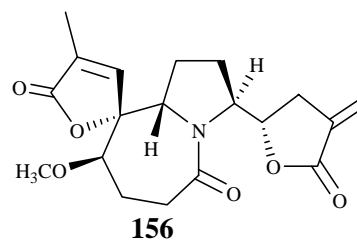
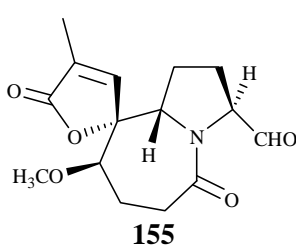
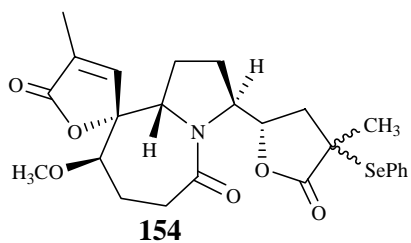
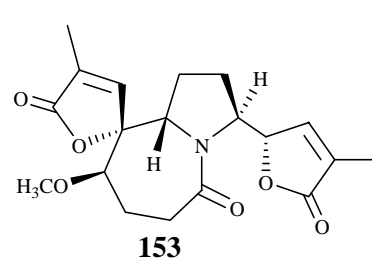
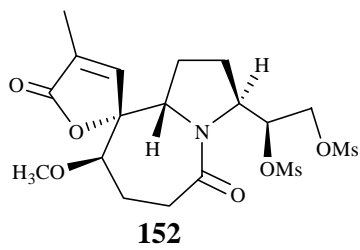
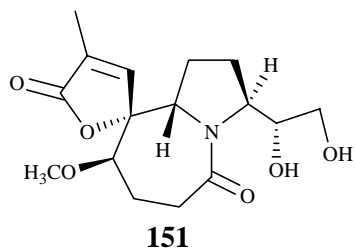
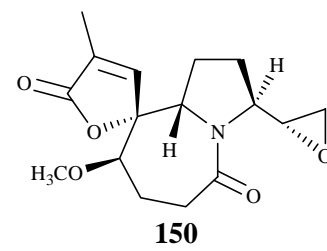
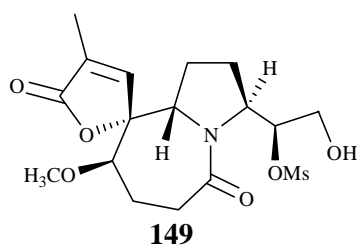
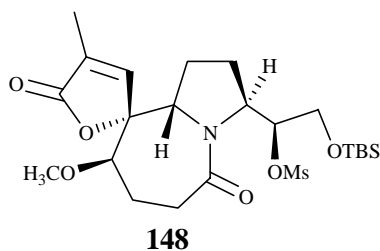
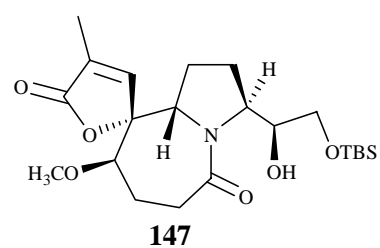
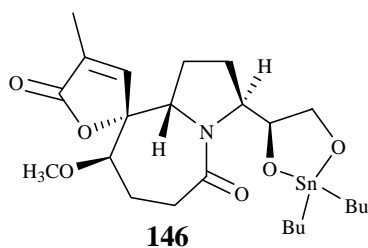
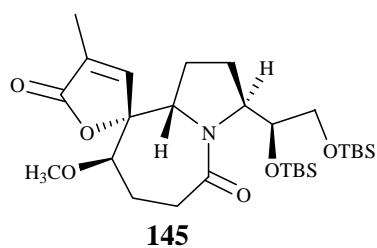
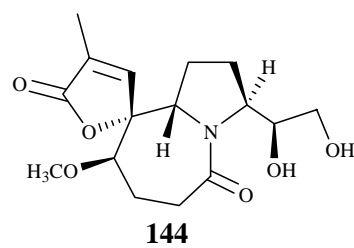
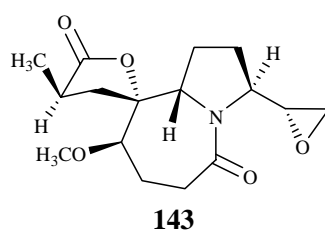
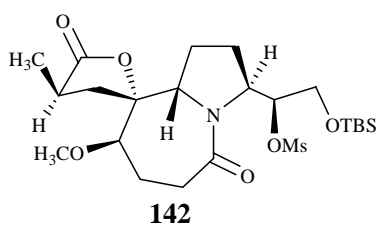
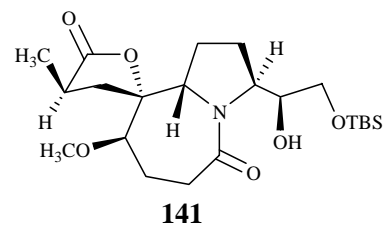
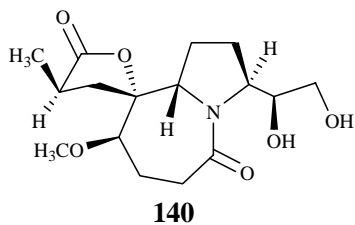
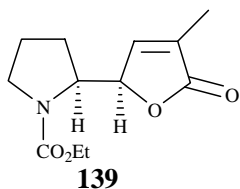
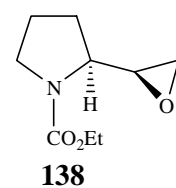
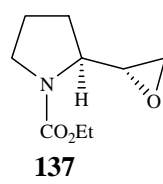
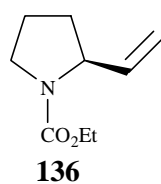
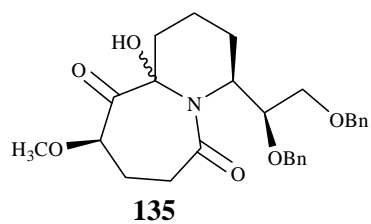


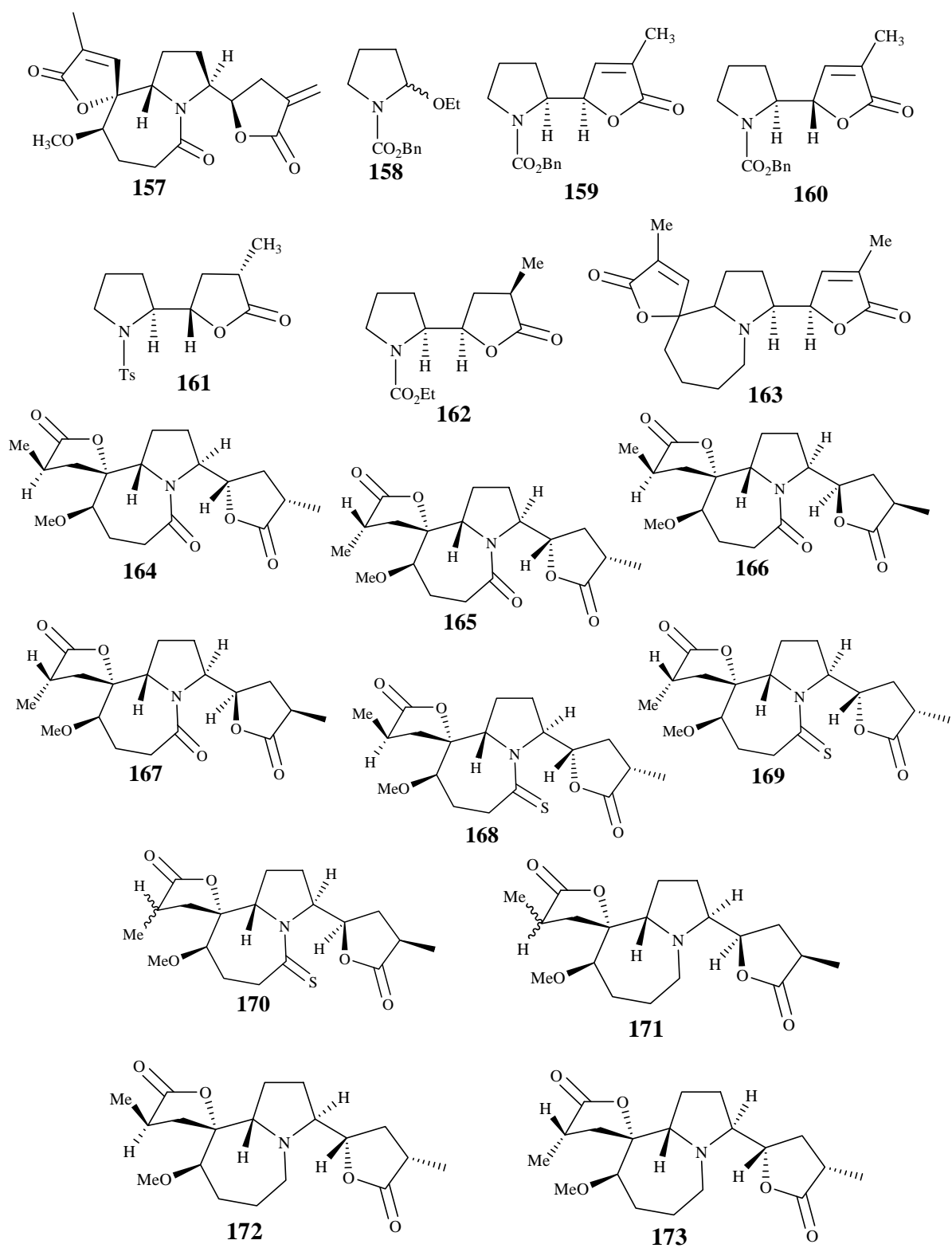
VII. Índice de fórmulas



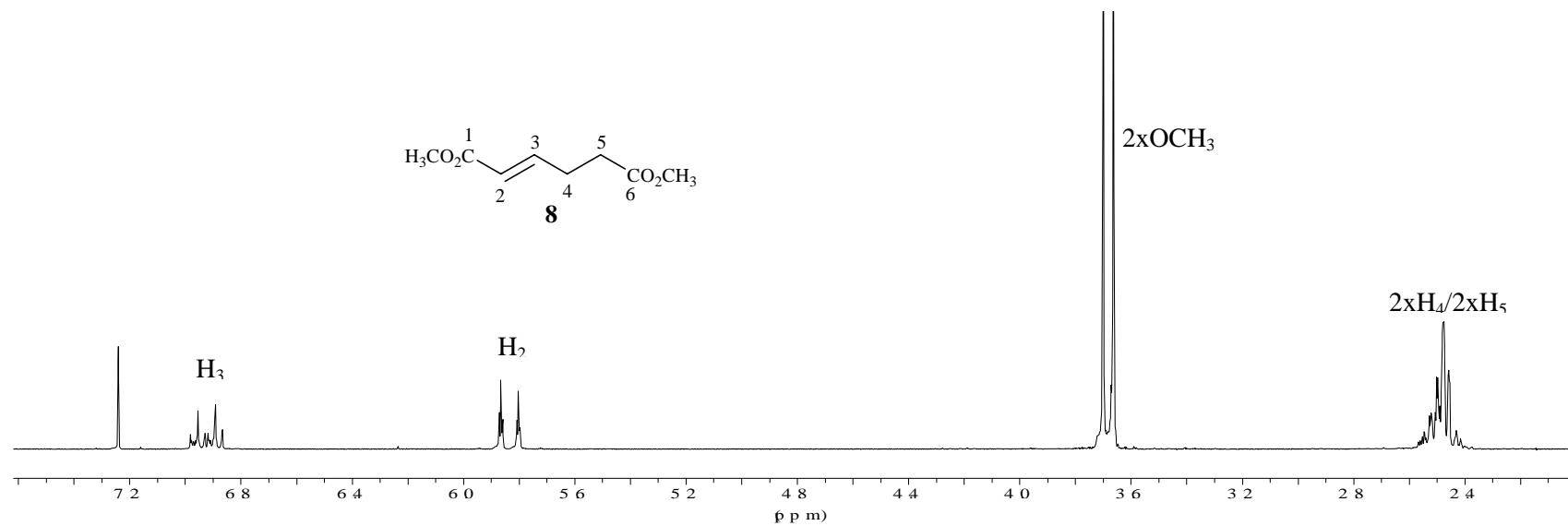
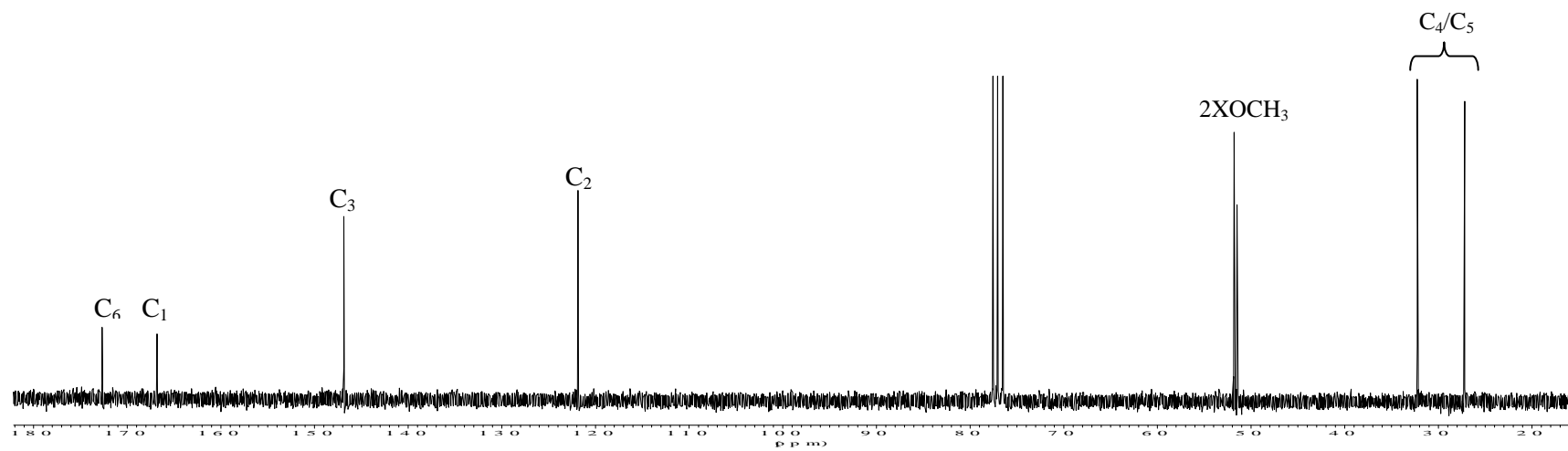
VII. Índice de fórmulas

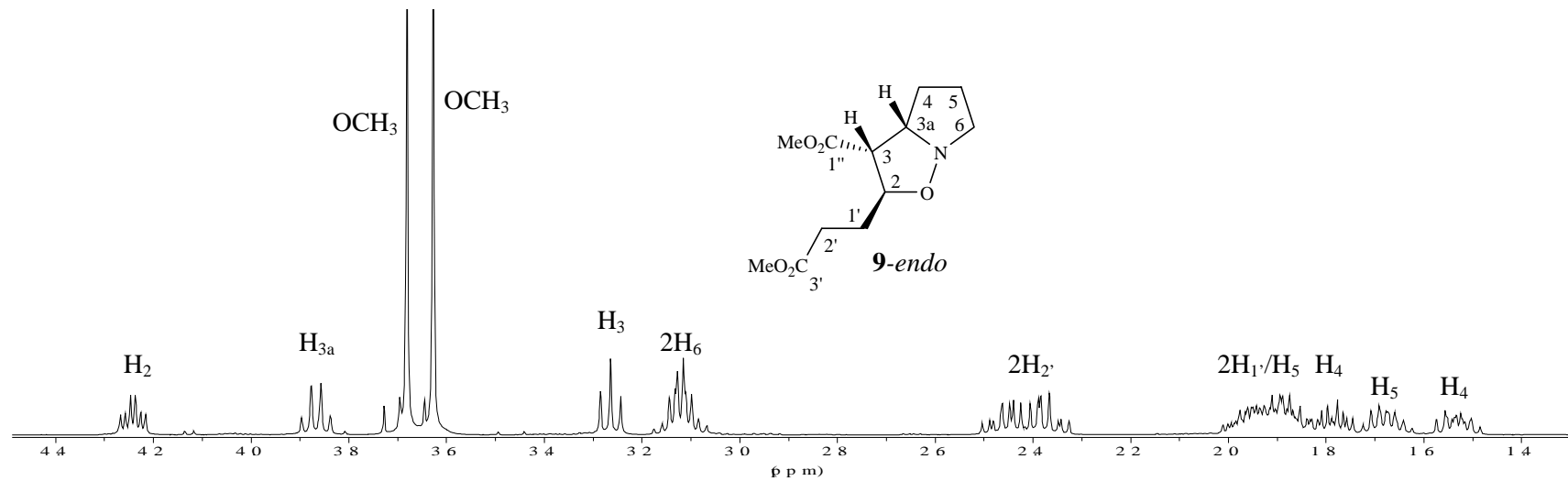
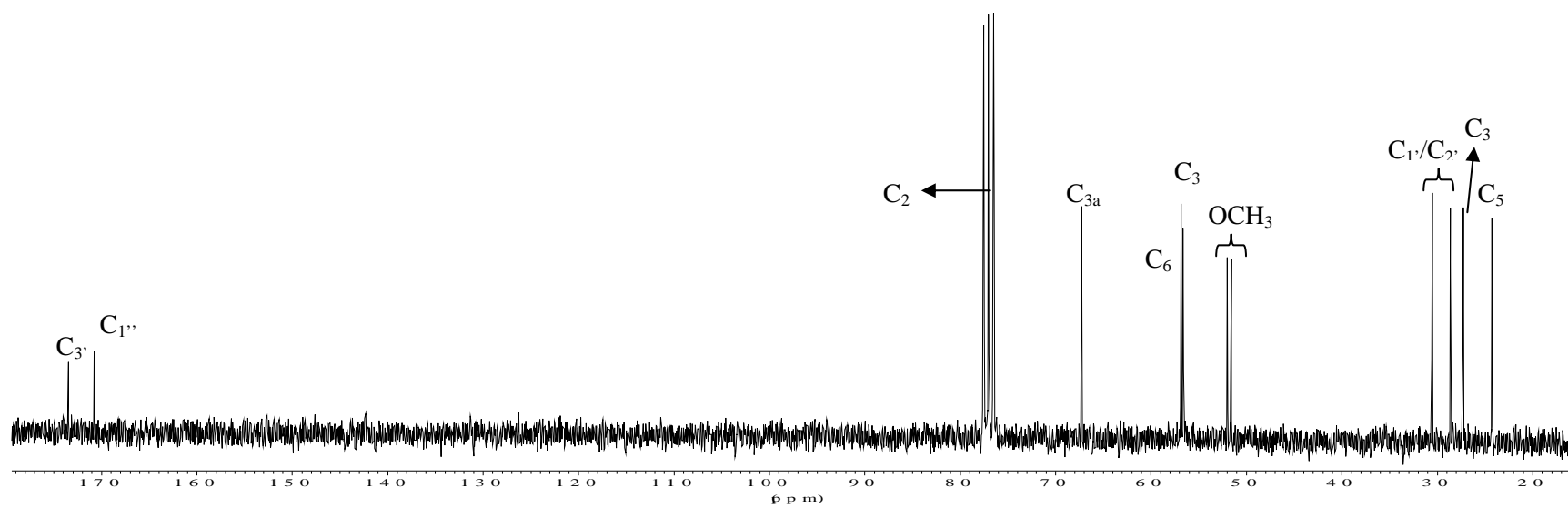


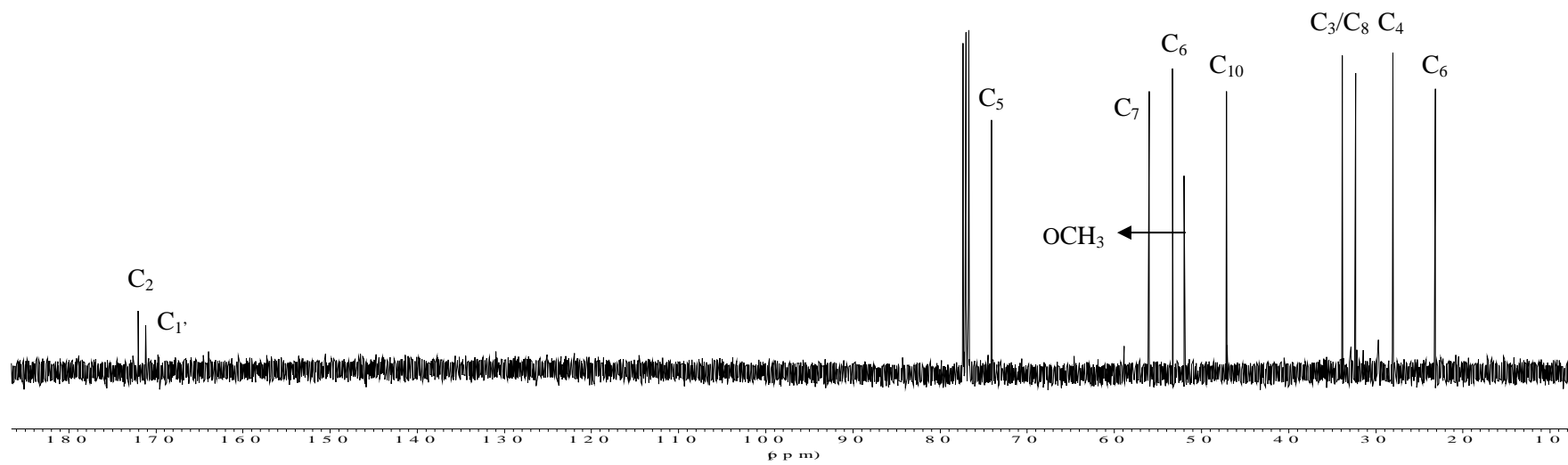
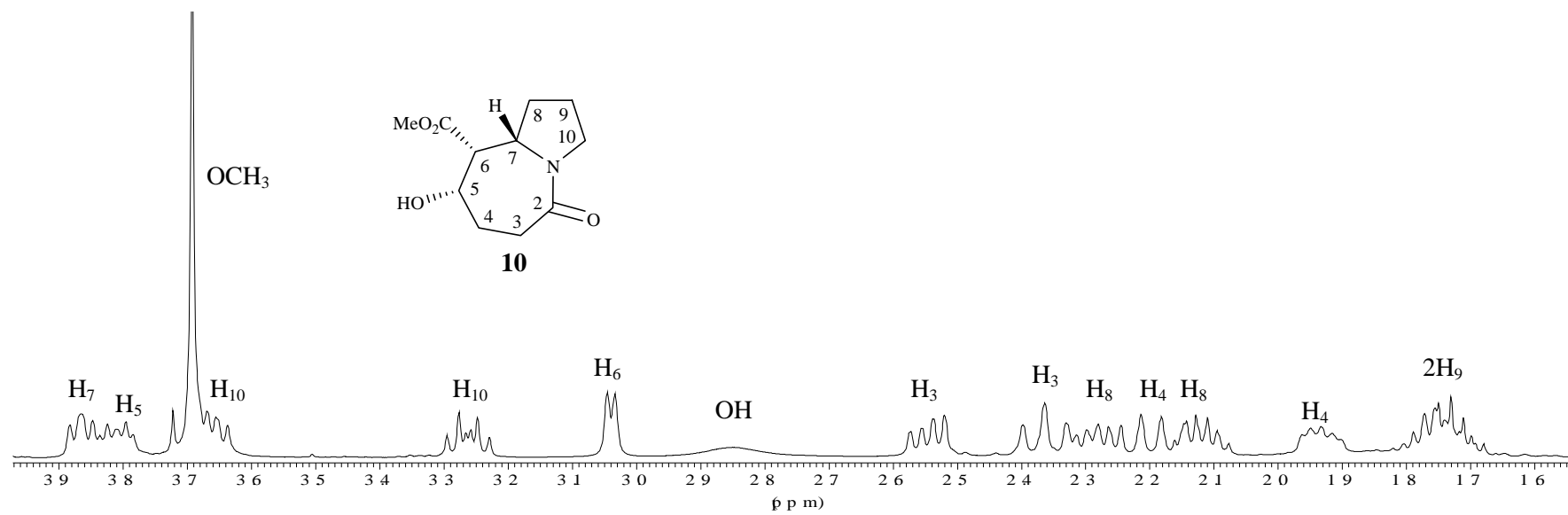


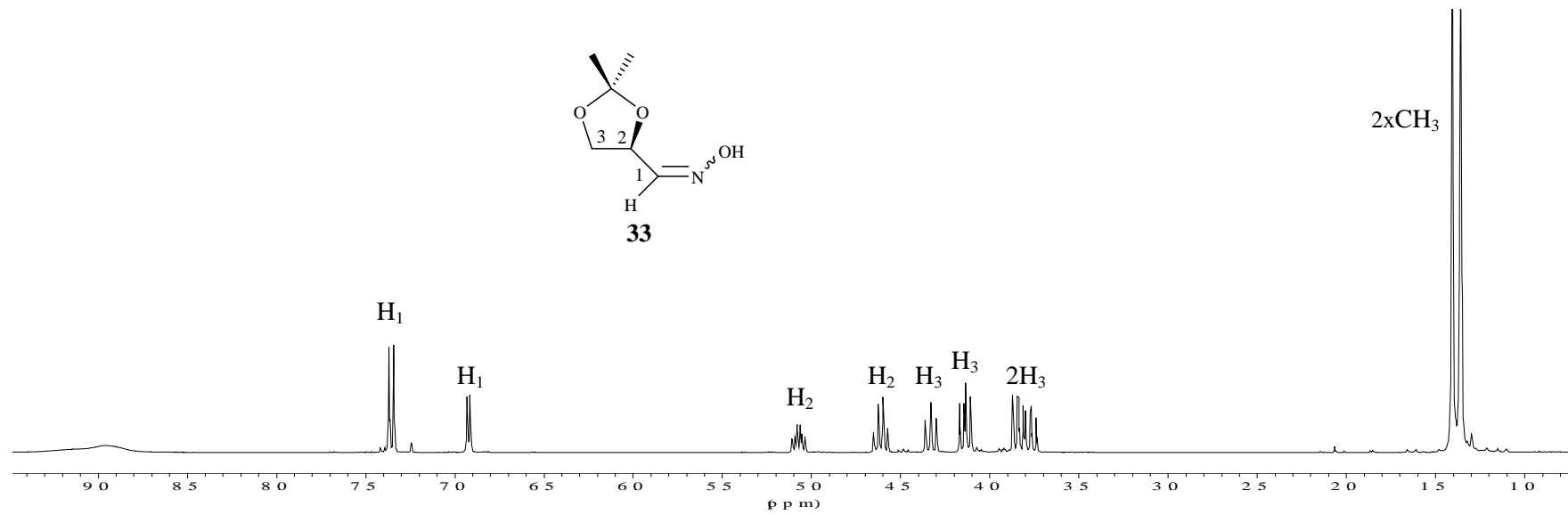
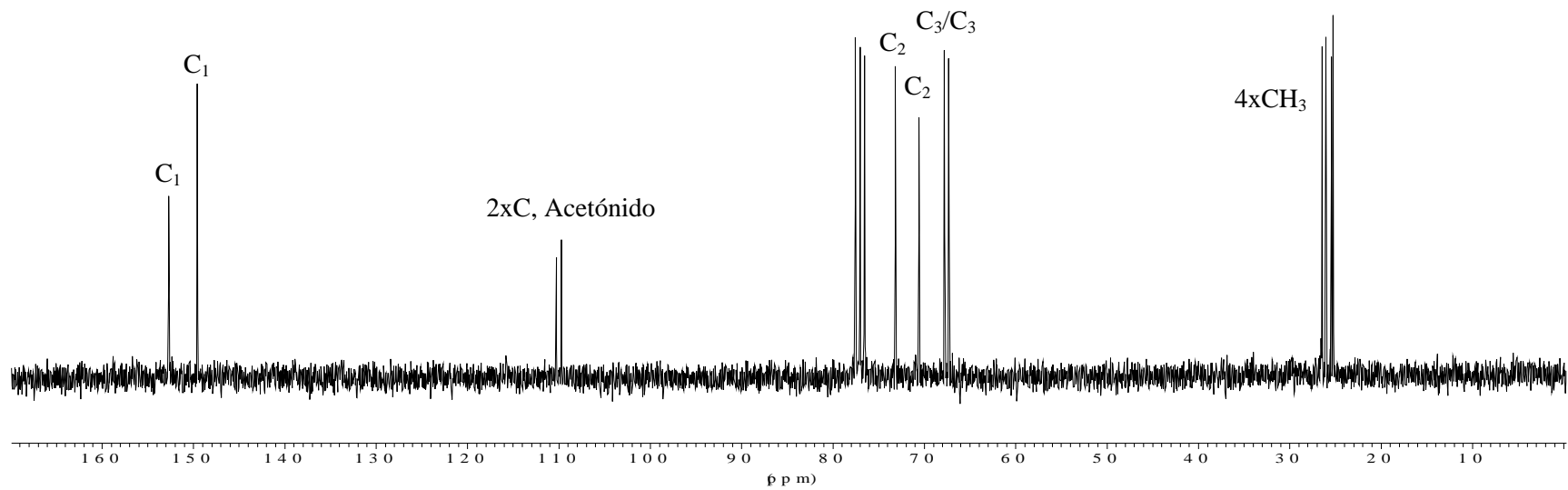


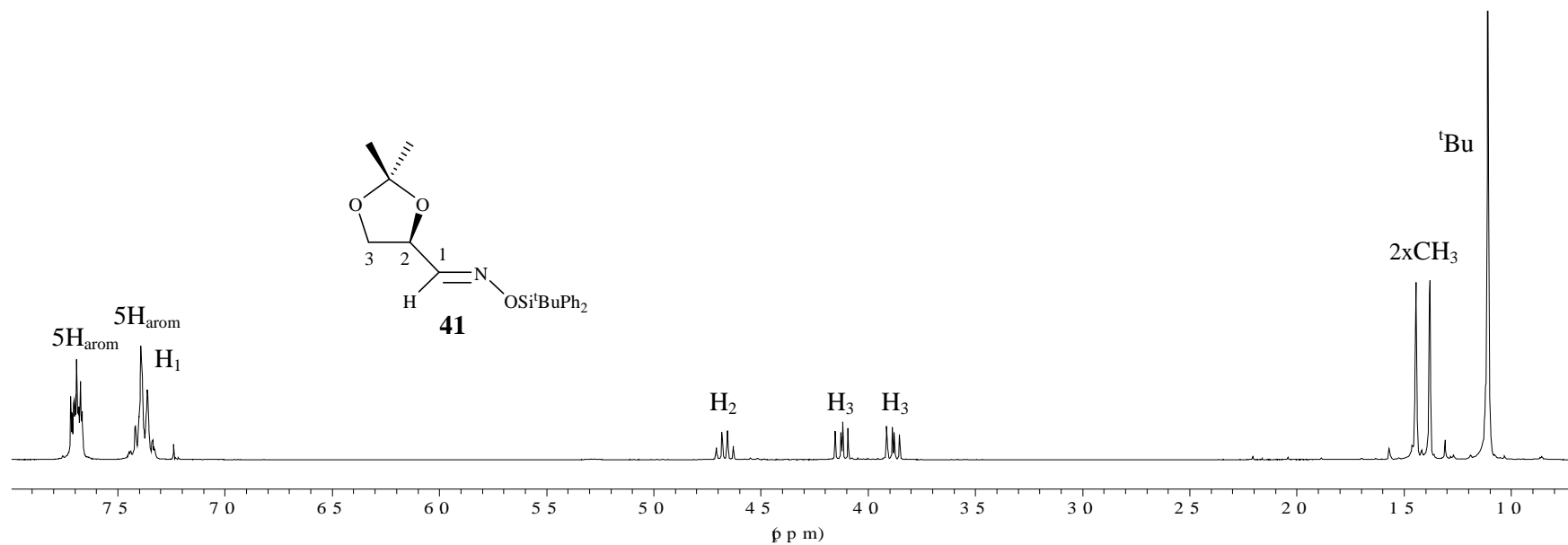
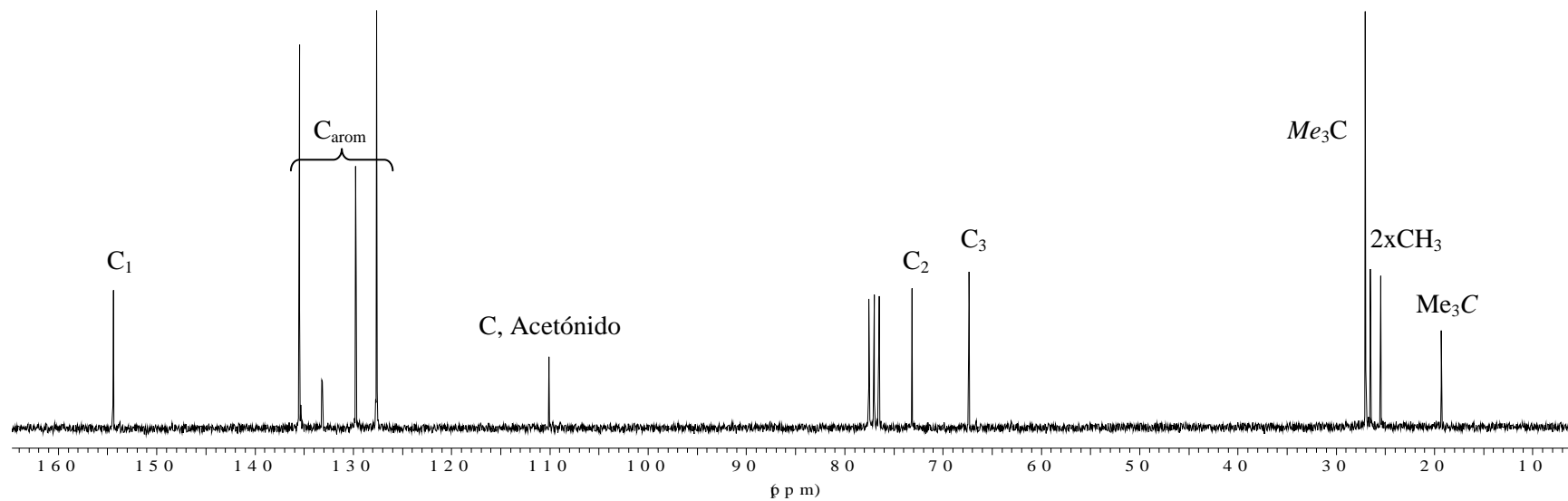
VIII. APÉNDICE DE ESPECTROS

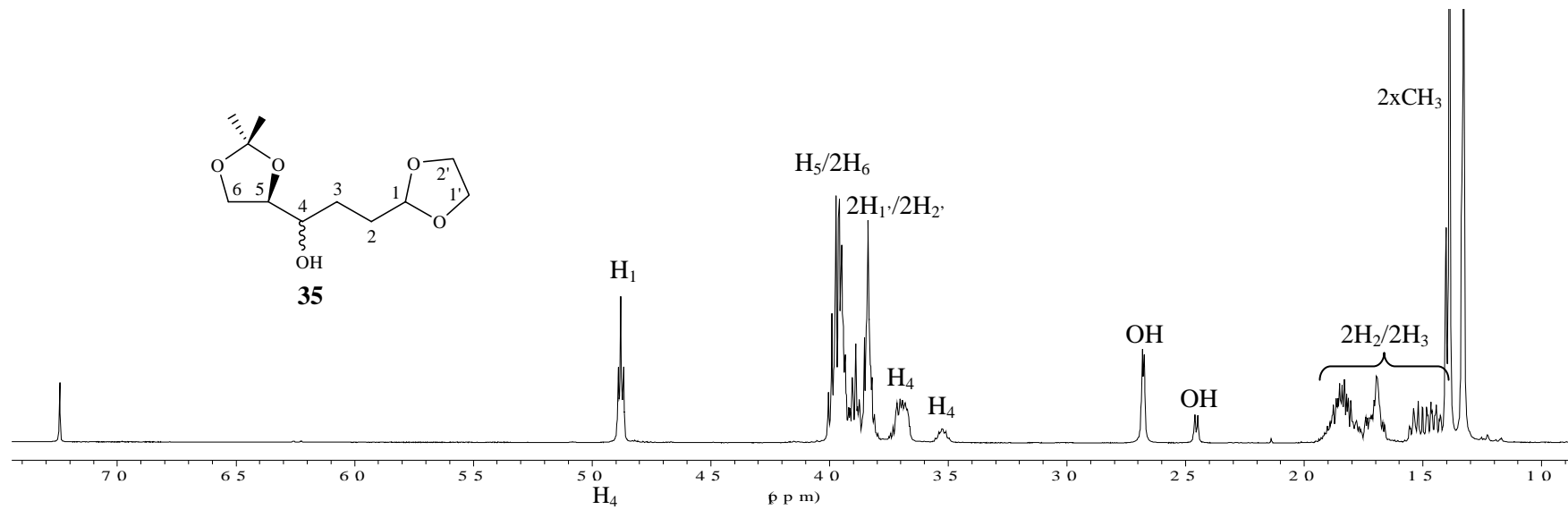
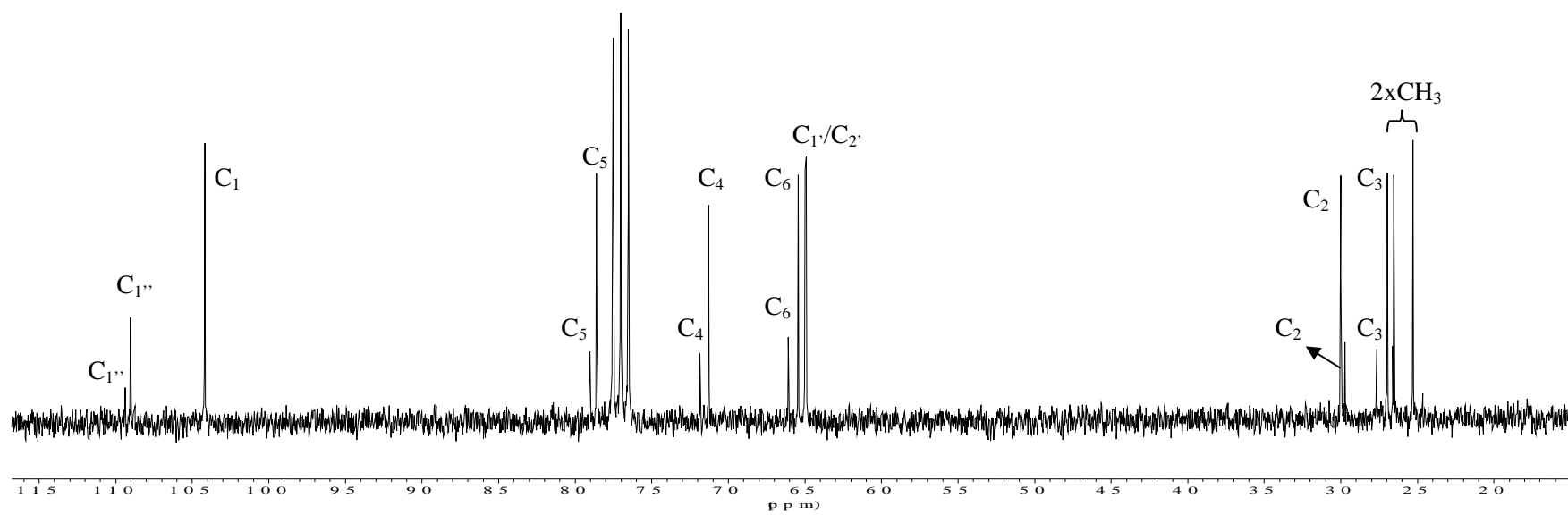
¹H-RMN (250 MHz, CDCl₃) de **8**.¹³C-RMN (62.5 MHz), CDCl₃) de **8**.

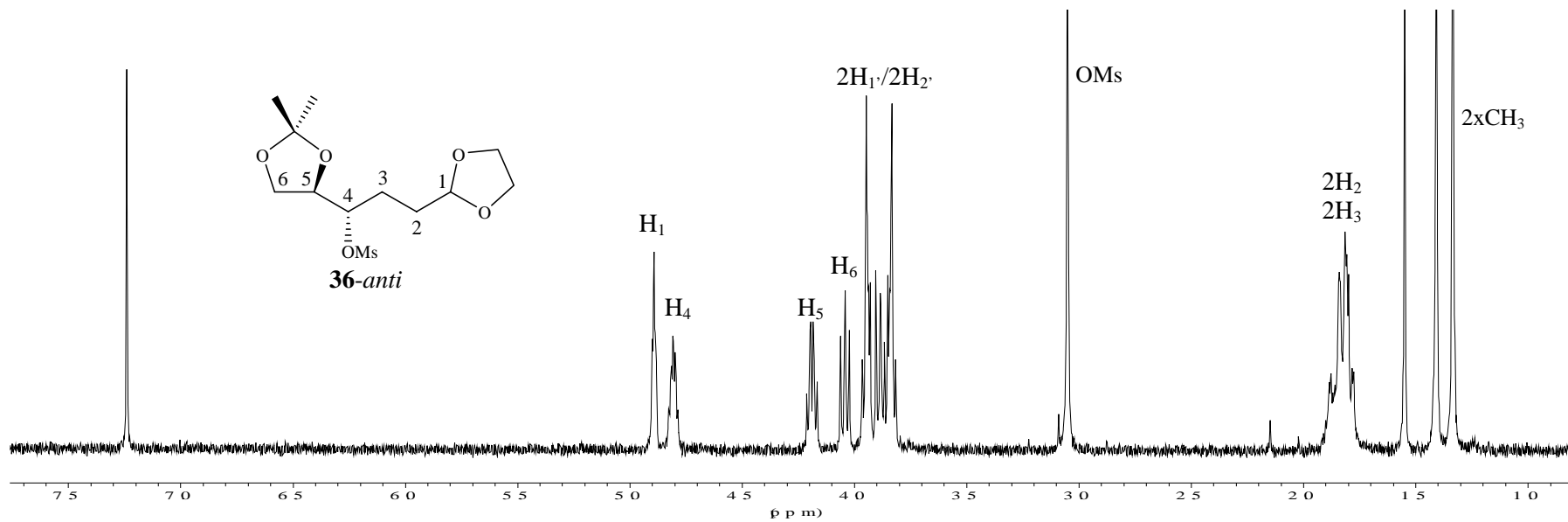
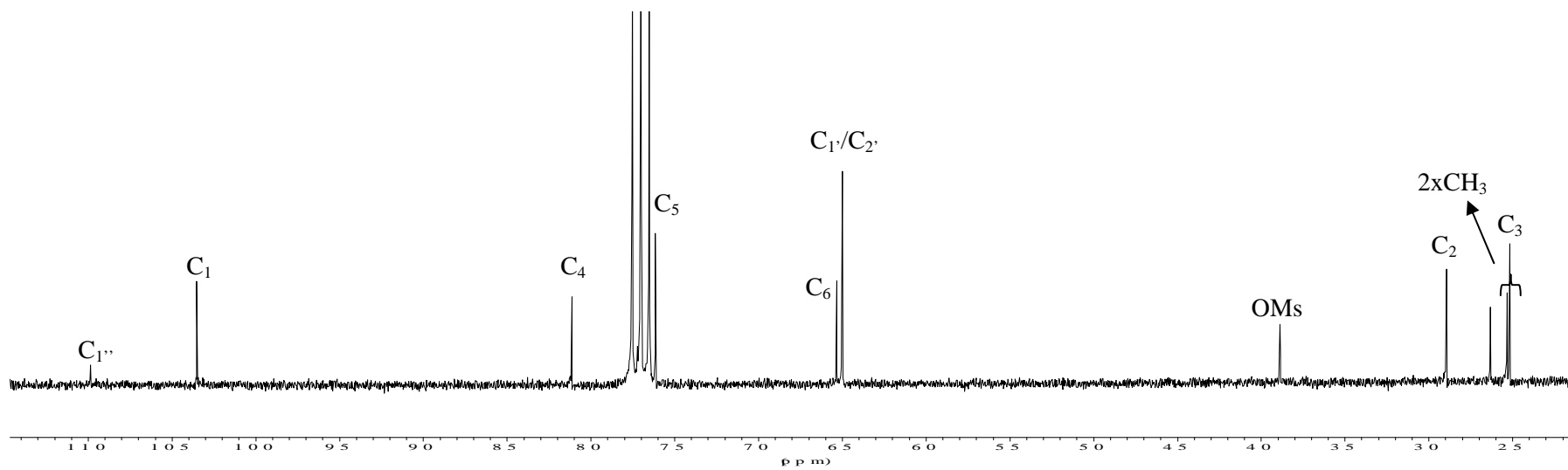
 ^1H -RMN (400 MHz, CDCl_3) de **9** ^{13}C -RMN (62.5 MHz, CDCl_3) de **9**

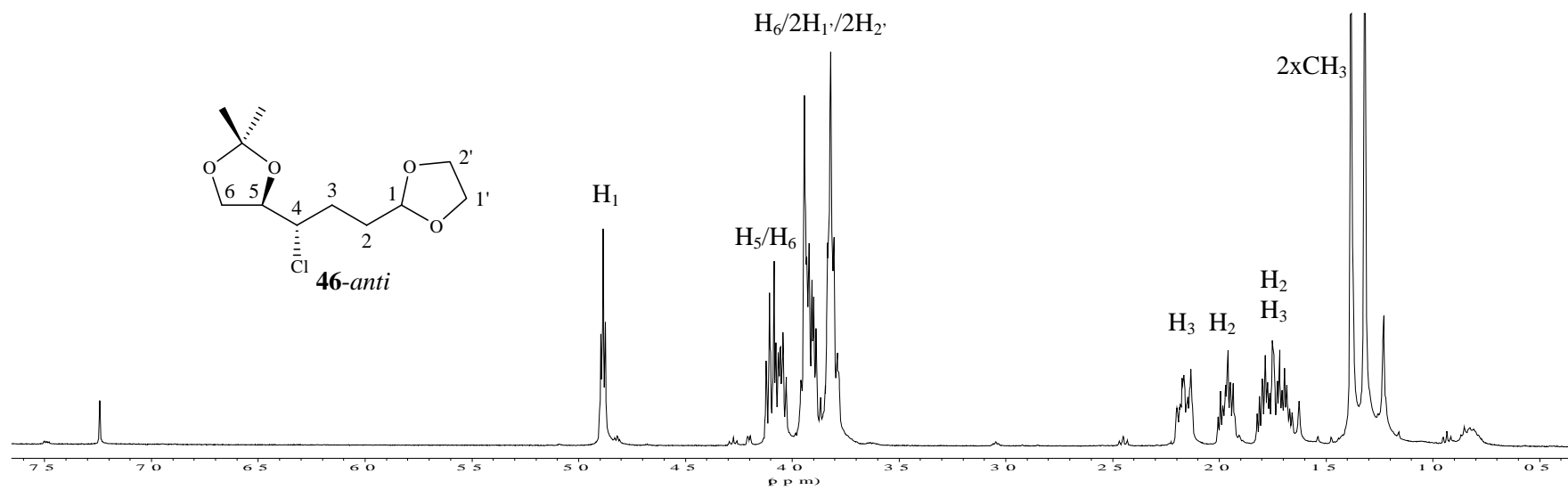
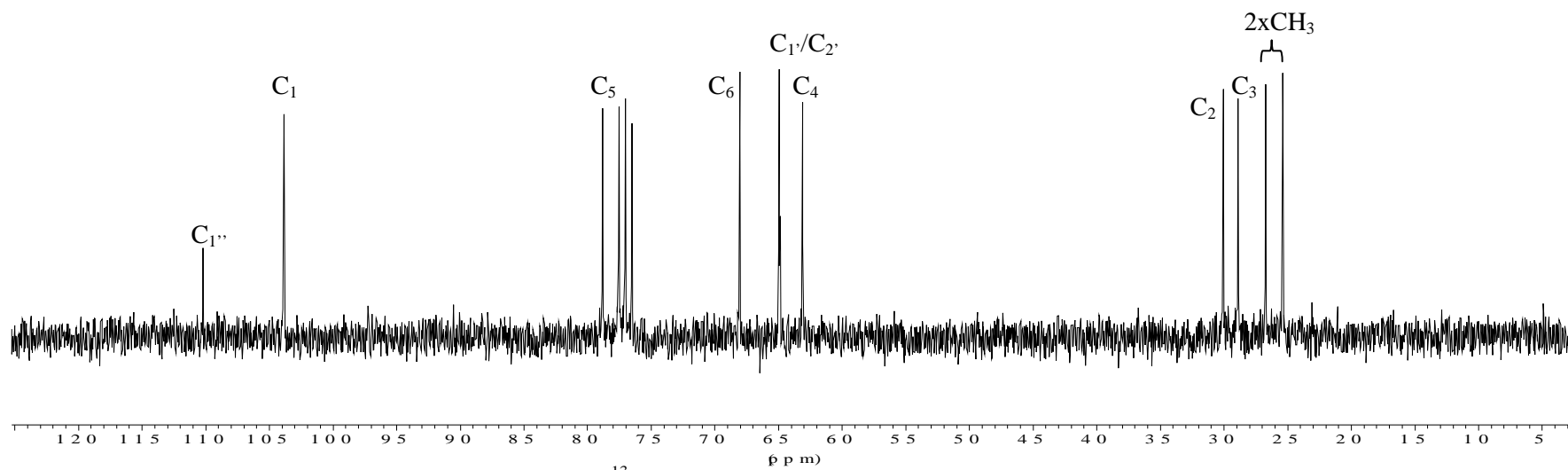


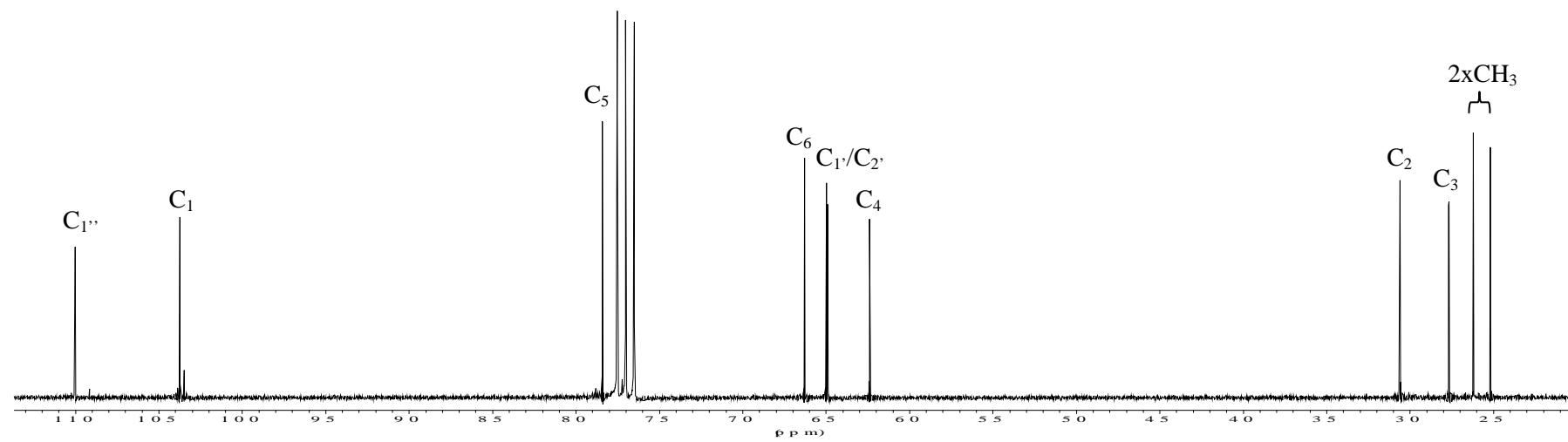
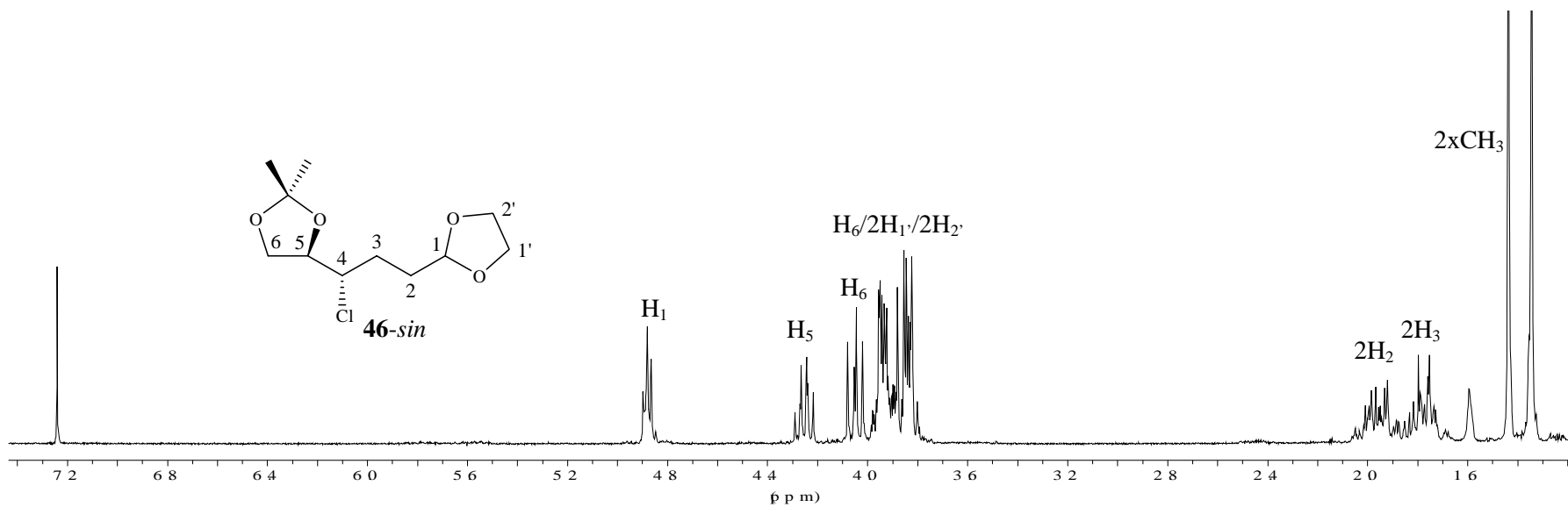
 $^1\text{H-NMR}$ (250 MHz, CDCl_3) de **33**. $^{13}\text{C-NMR}$ (62.5 MHz, CDCl_3) de **33**.

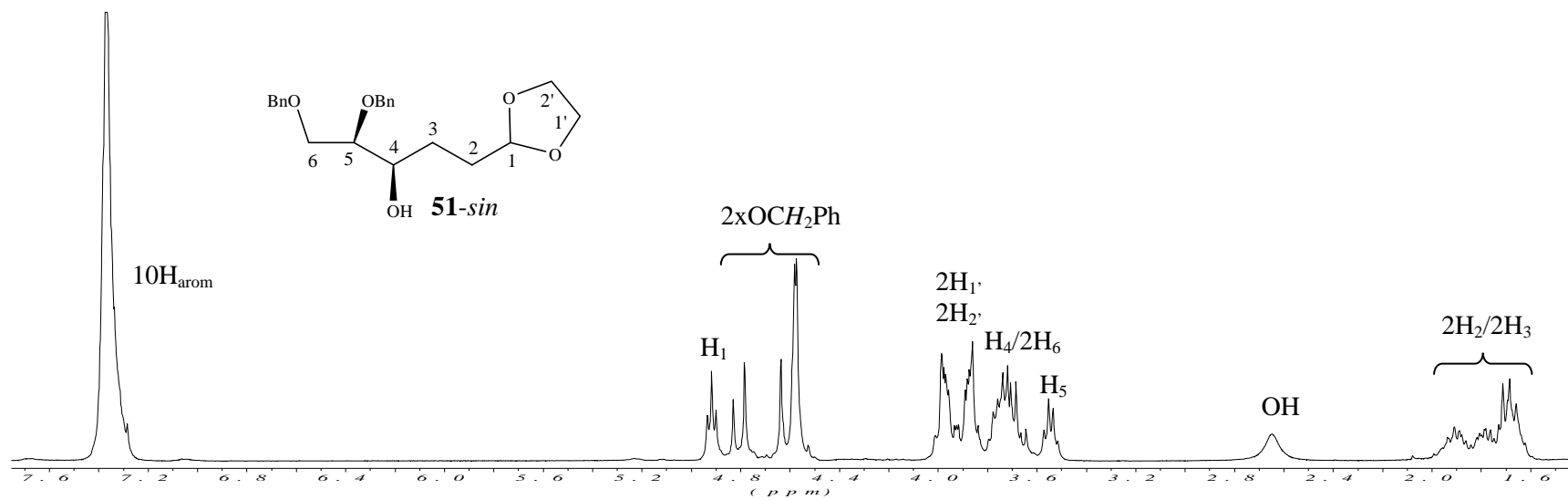
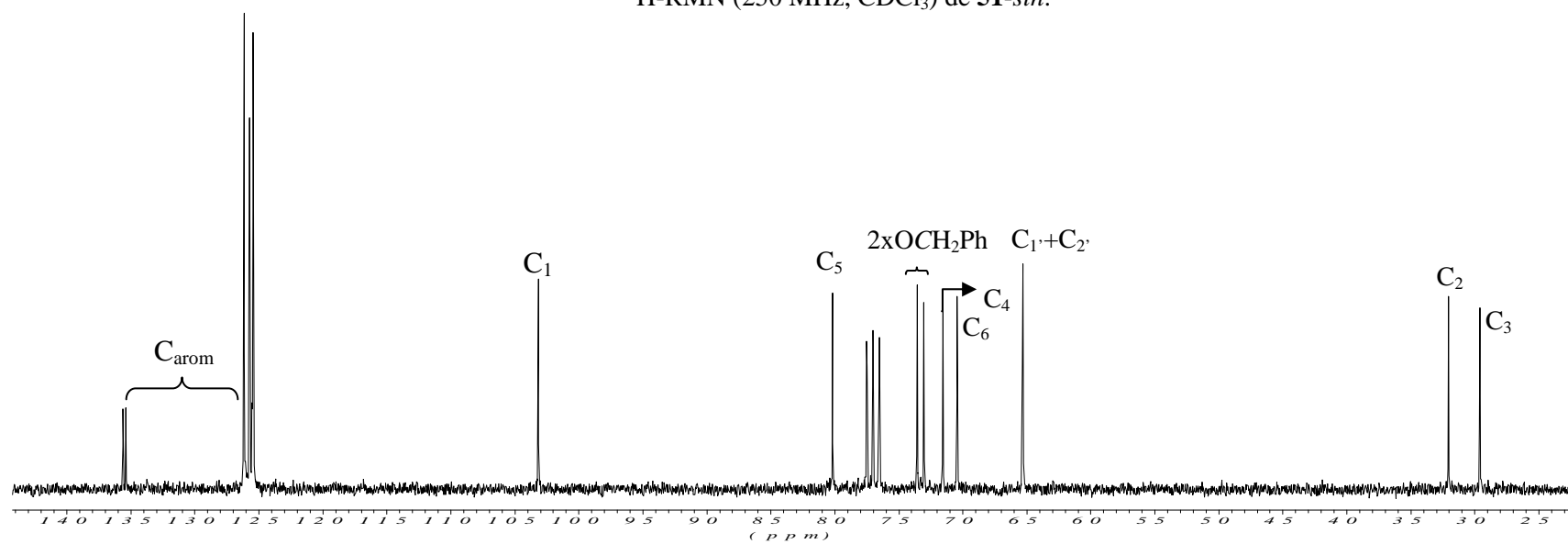
¹H-RMN (250 MHz, CDCl₃) de **41**.¹³C-RMN (62.5 MHz, CDCl₃) de **41**.

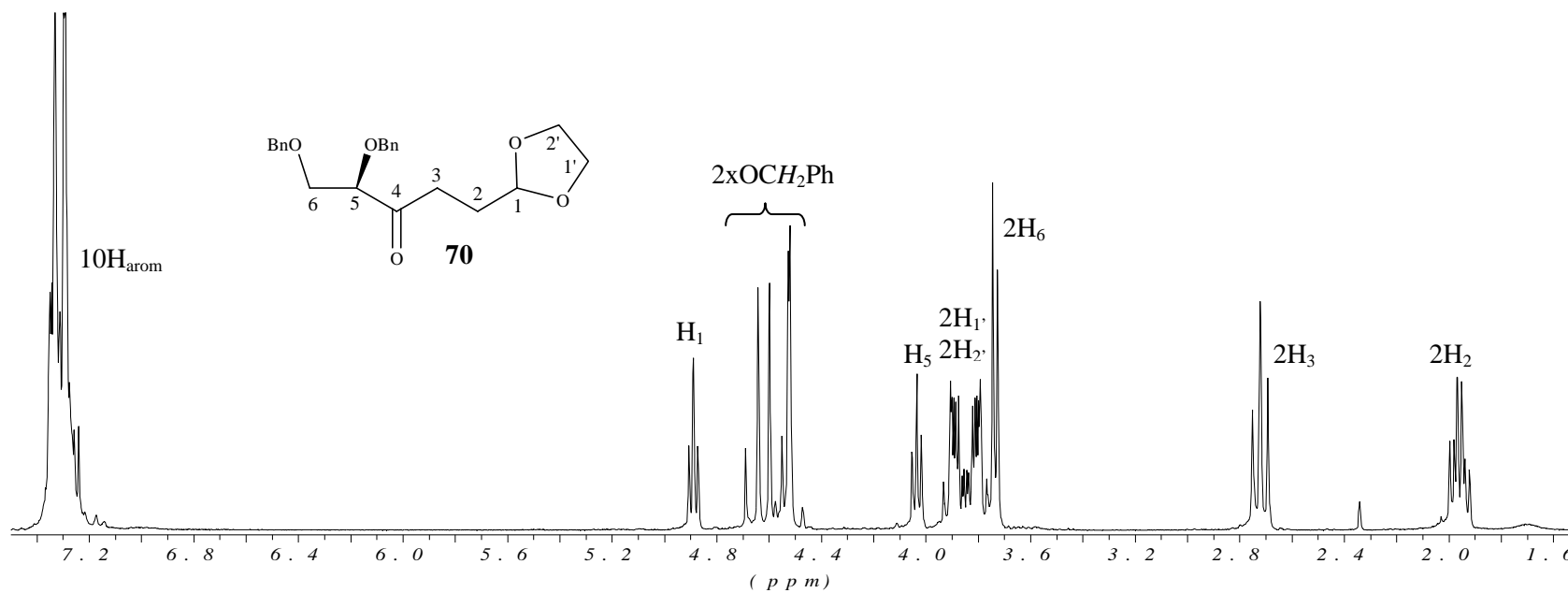
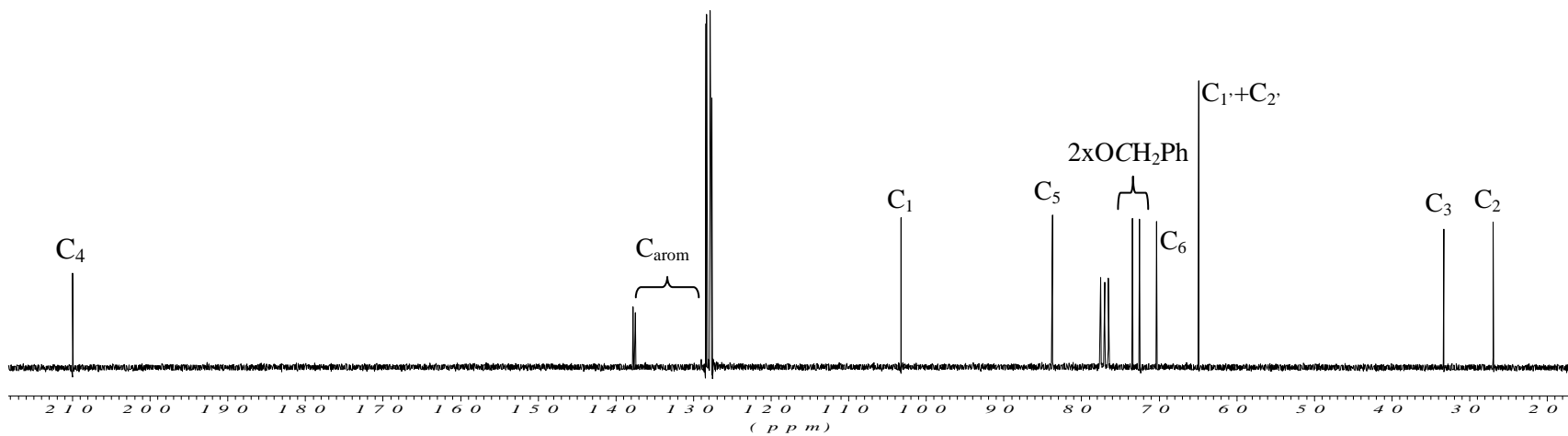
¹H-RMN (250 MHz, CDCl₃) de **35**.¹³C-RMN (62.5 MHz, CDCl₃) de **35**.

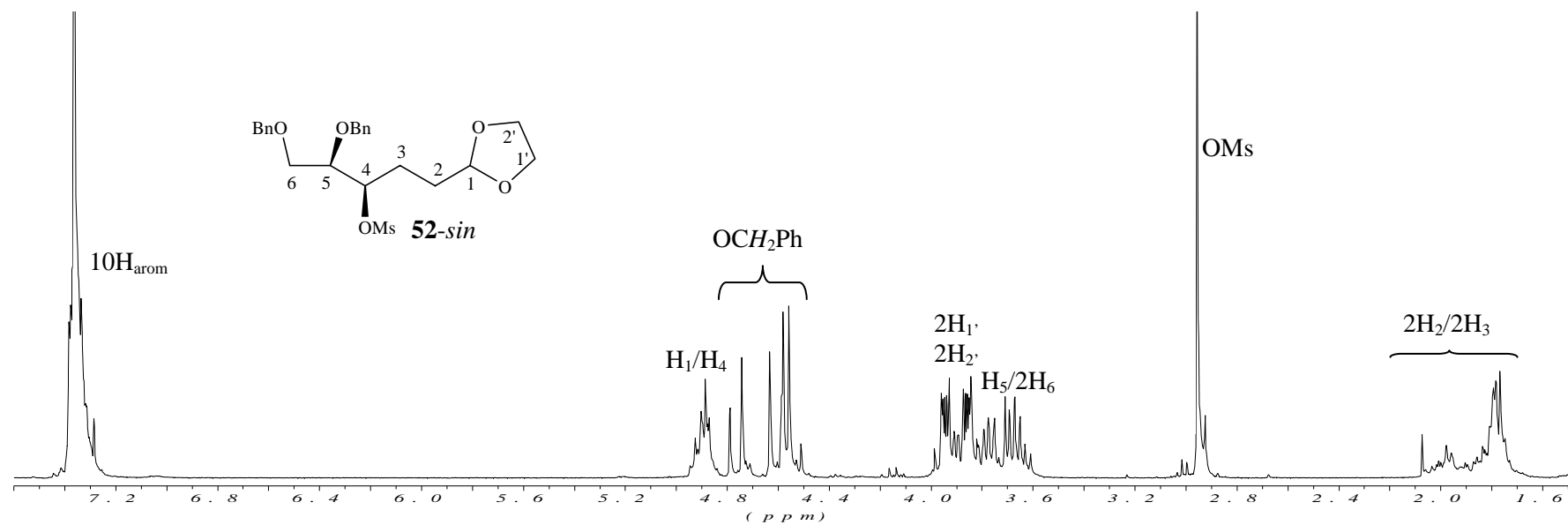
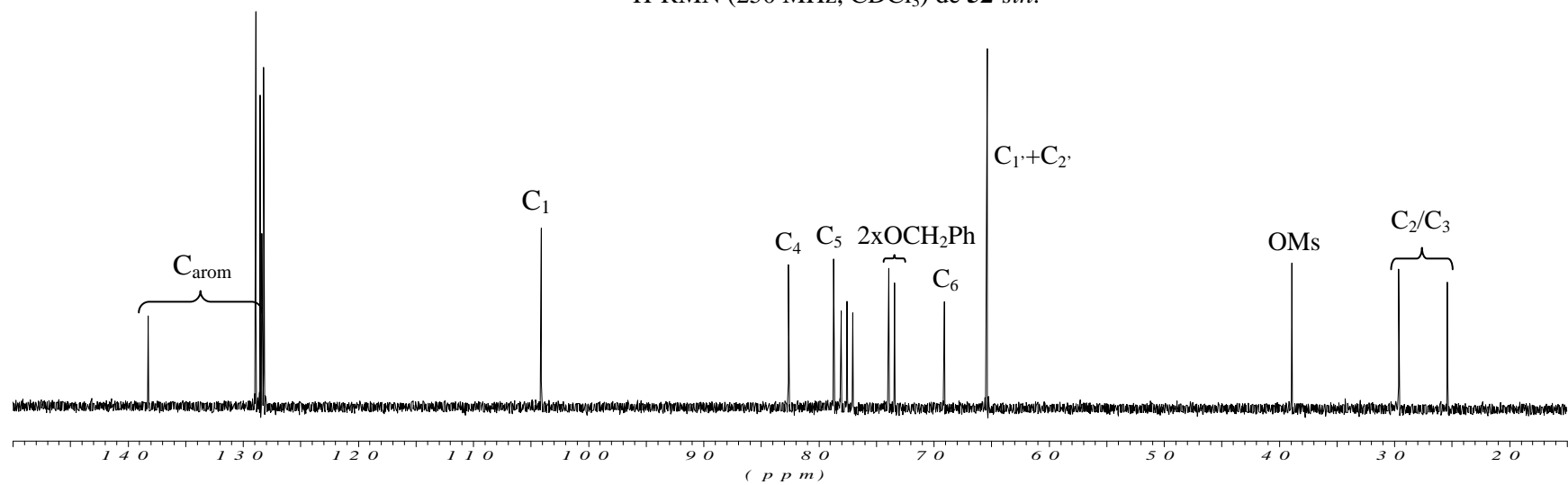
 $^1\text{H-RMN}$ (250 MHz, CDCl_3) de **36-anti**. $^{13}\text{C-RMN}$ (62.5 MHz, CDCl_3) de **36-anti**.

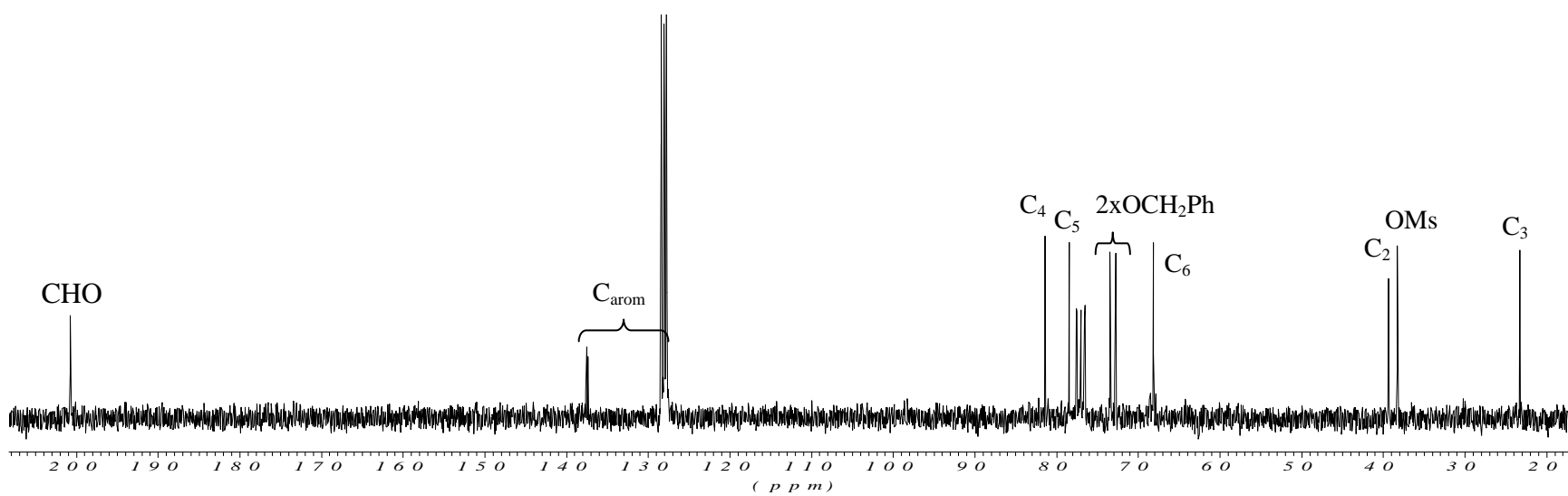
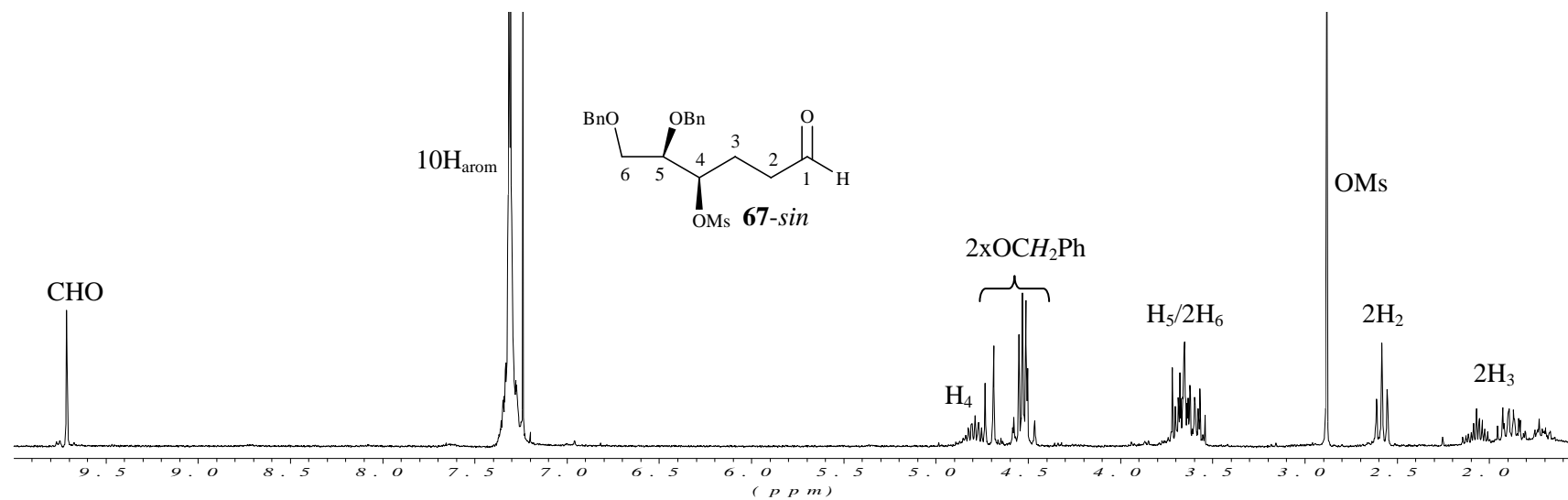
 $^1\text{H-NMR}$ (250 MHz, CDCl_3) de **46-anti**. $^{13}\text{C-NMR}$ (62.5 MHz, CDCl_3) de **46-anti**.

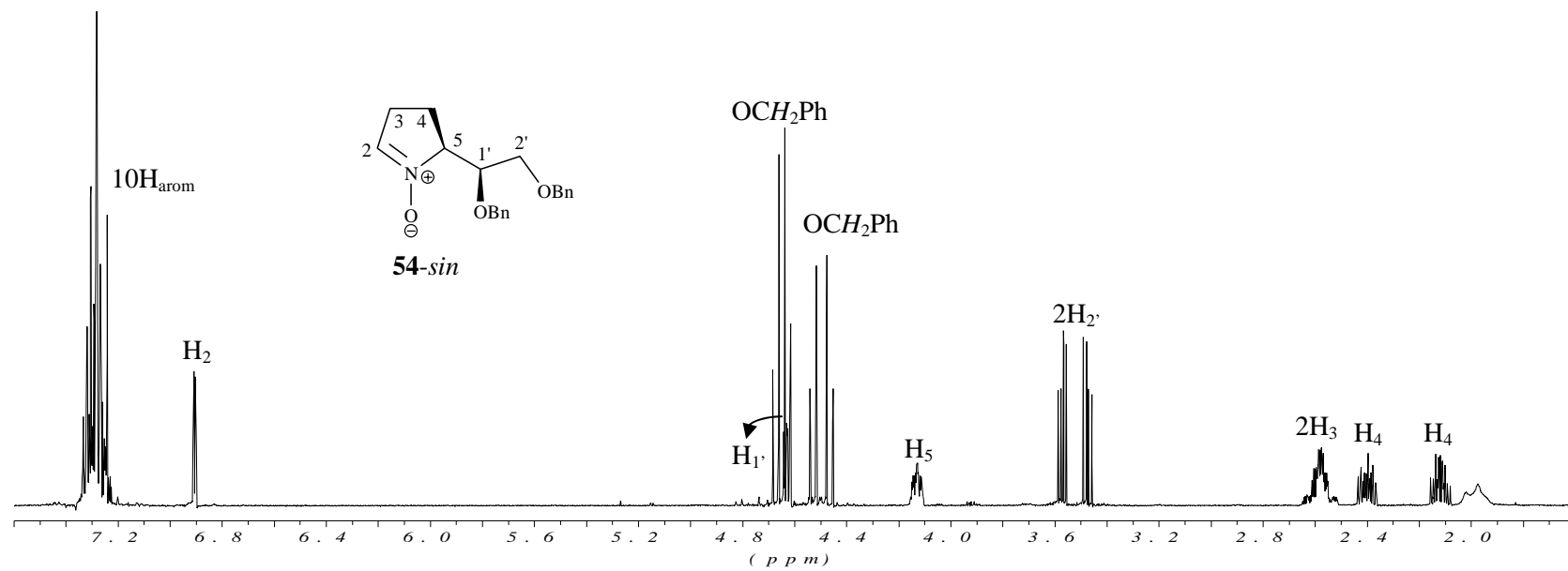
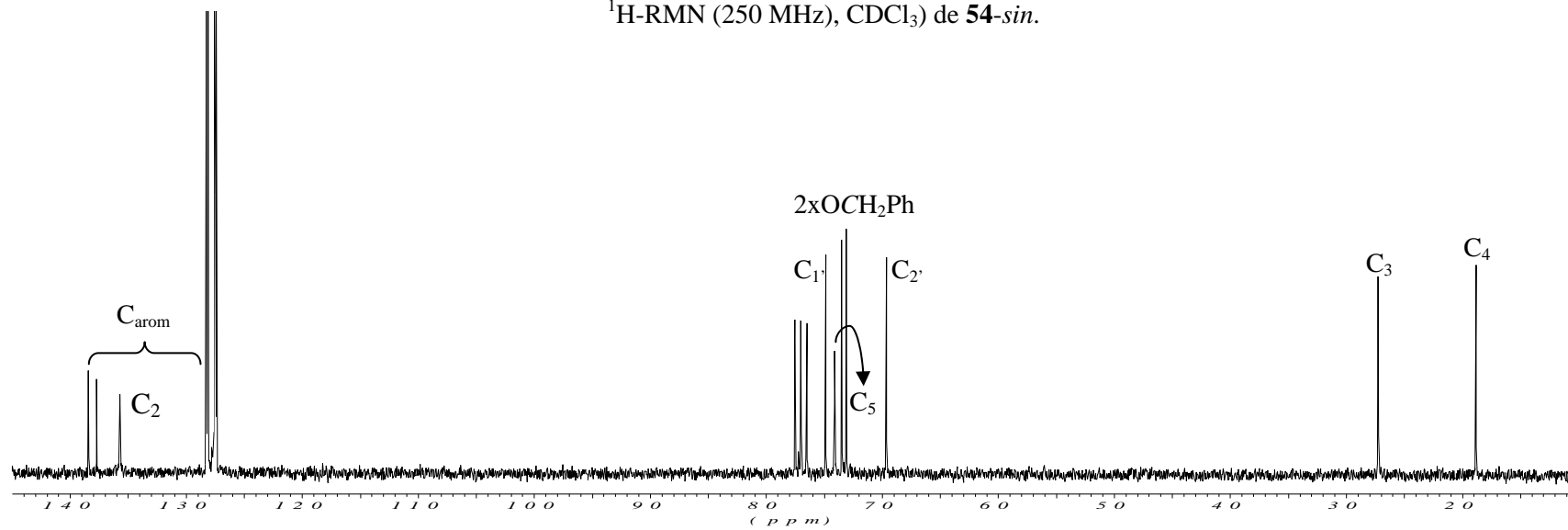


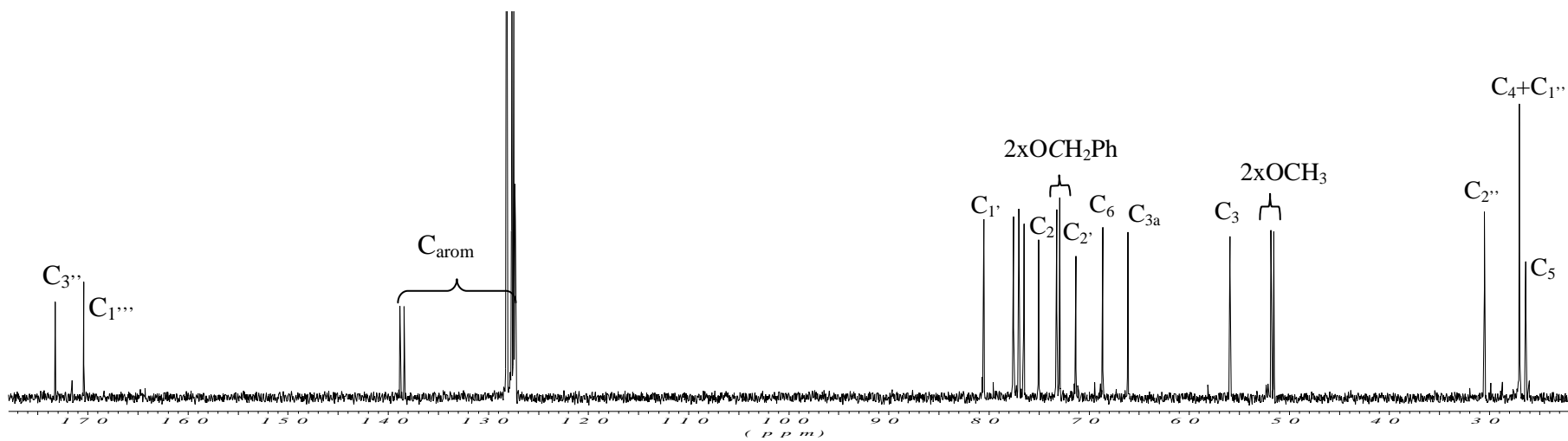
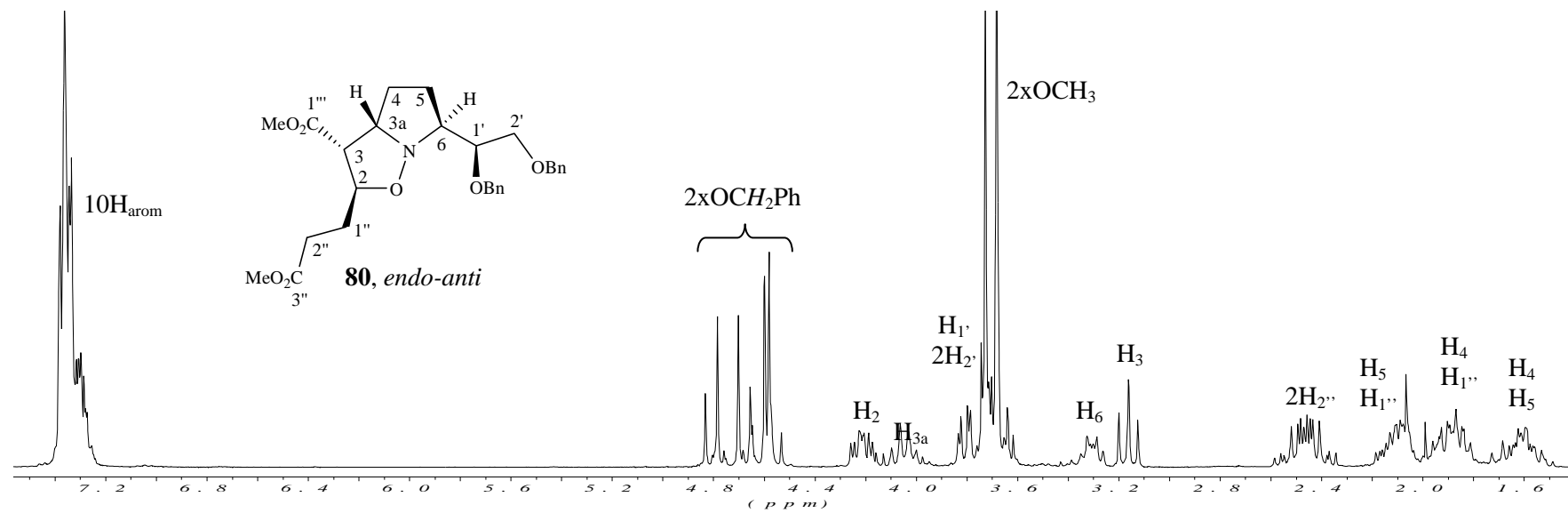
¹H-RMN (250 MHz, CDCl₃) de **51-sin**.¹³C-RMN (62.5 MHz, CDCl₃) de **51-sin**.

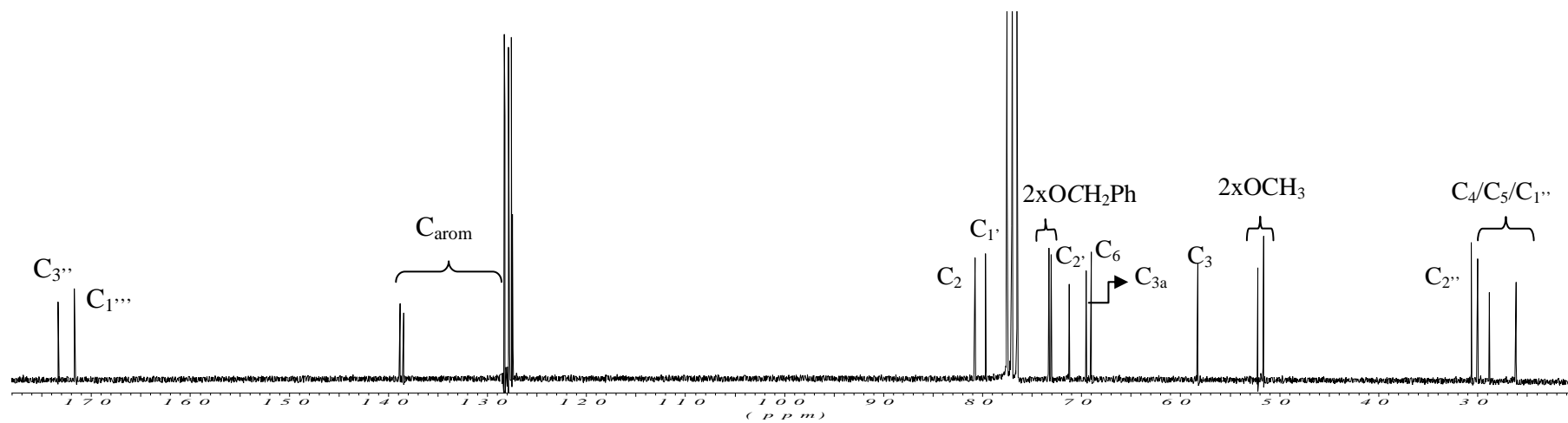
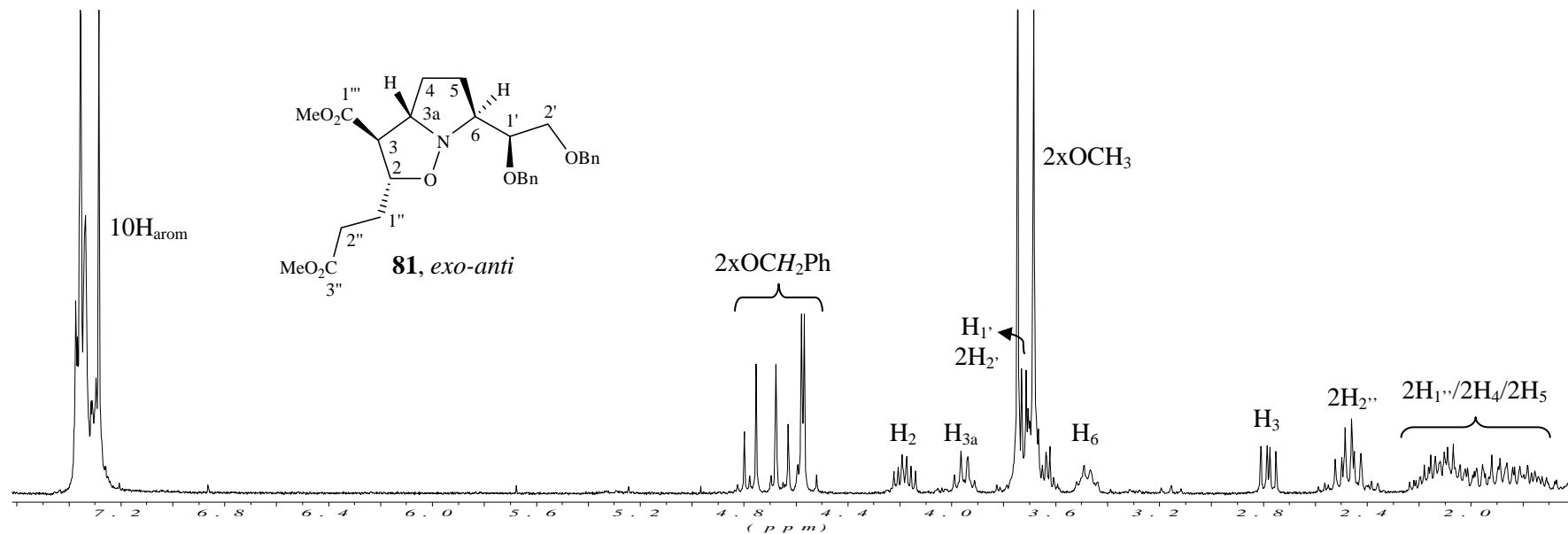
 $^1\text{H-NMR}$ (250 MHz, CDCl_3) de **70**. $^{13}\text{C-NMR}$ (62.5 MHz, CDCl_3) de **70**.

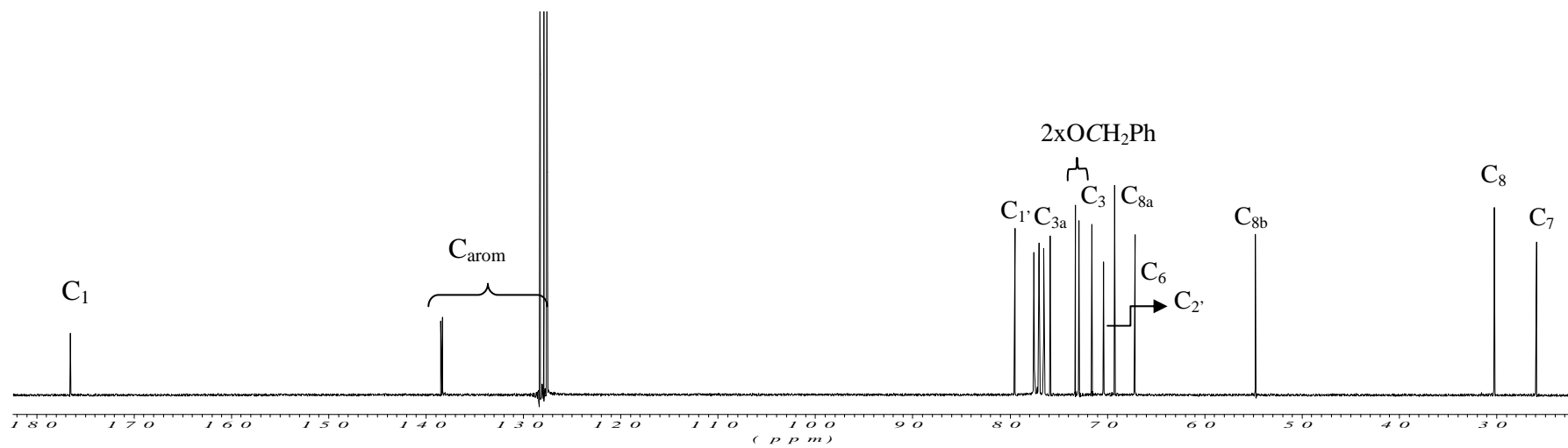
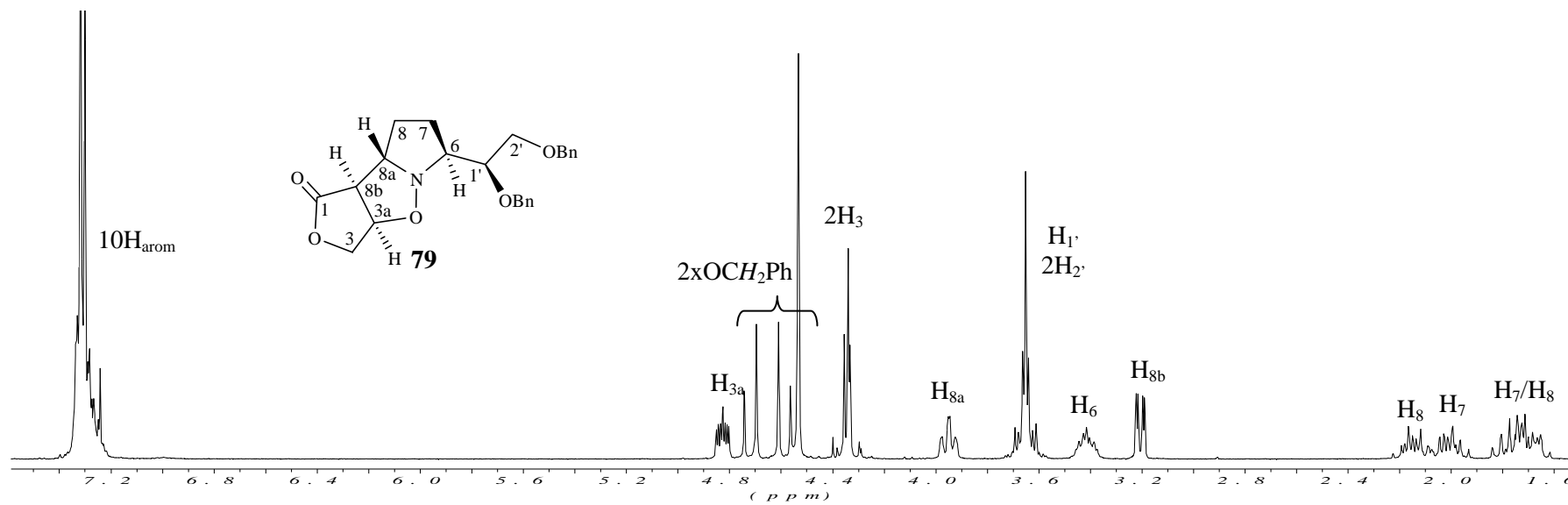
 ^1H -RMN (250 MHz, CDCl_3) de **52-sin**. ^{13}C -RMN (62.5 MHz, CDCl_3) de **52-sin**.

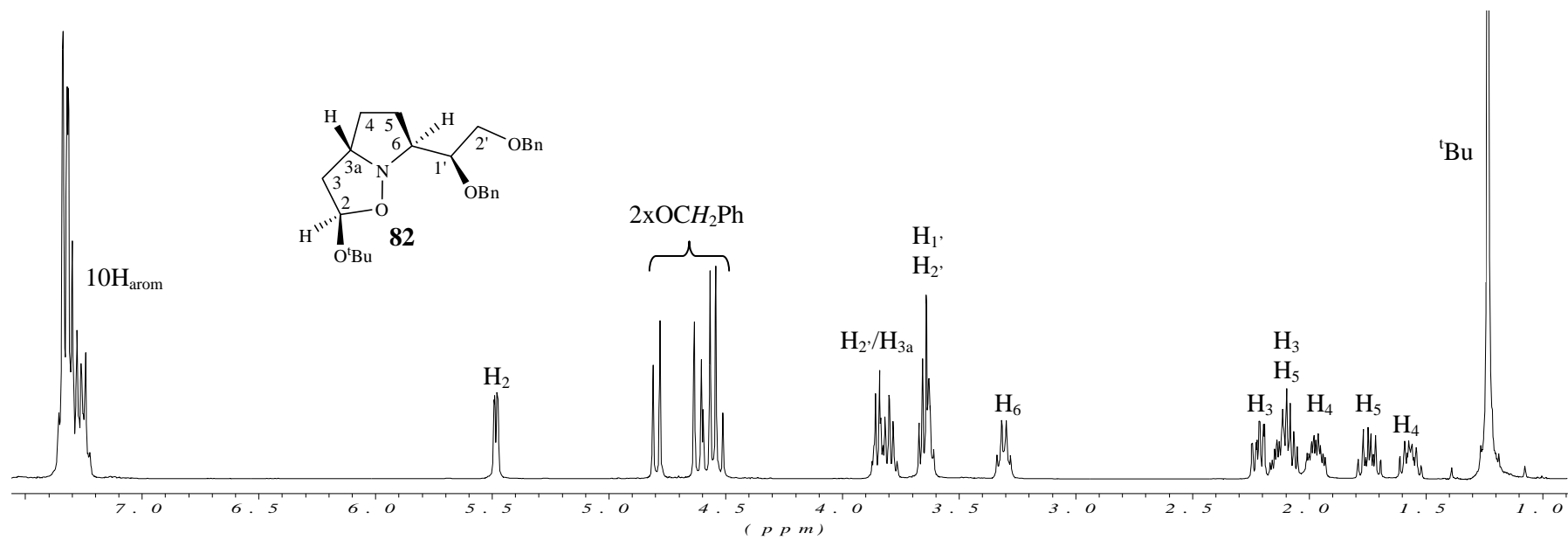
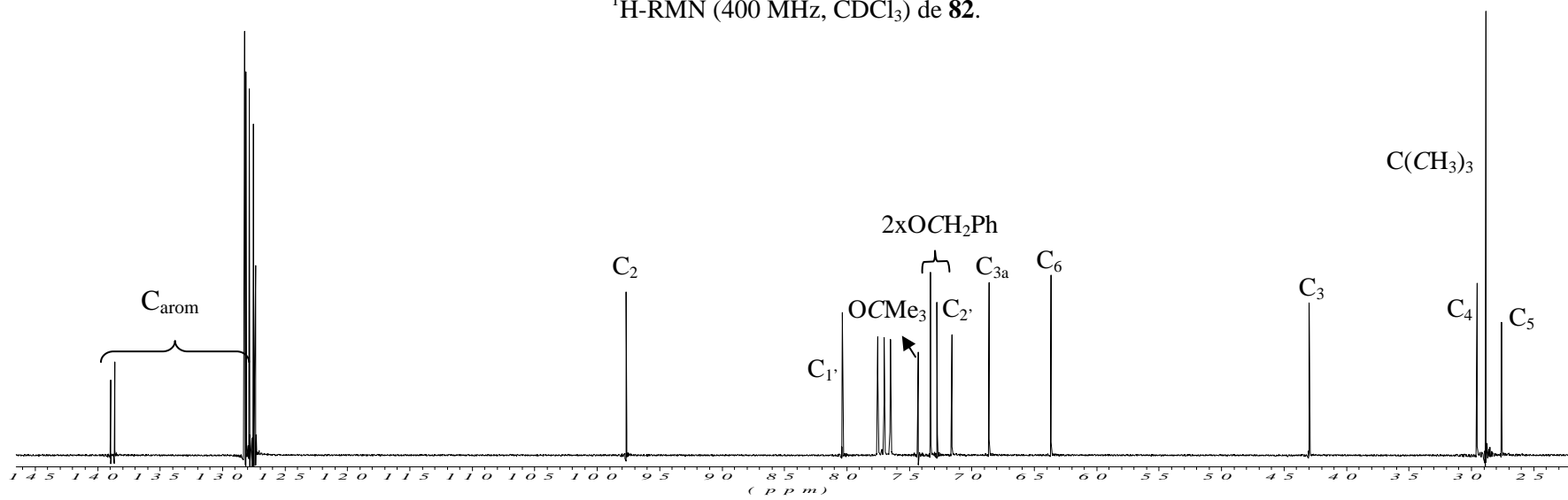
¹³C-RMN (62.5 MHz, CDCl₃) de **67-sin**.

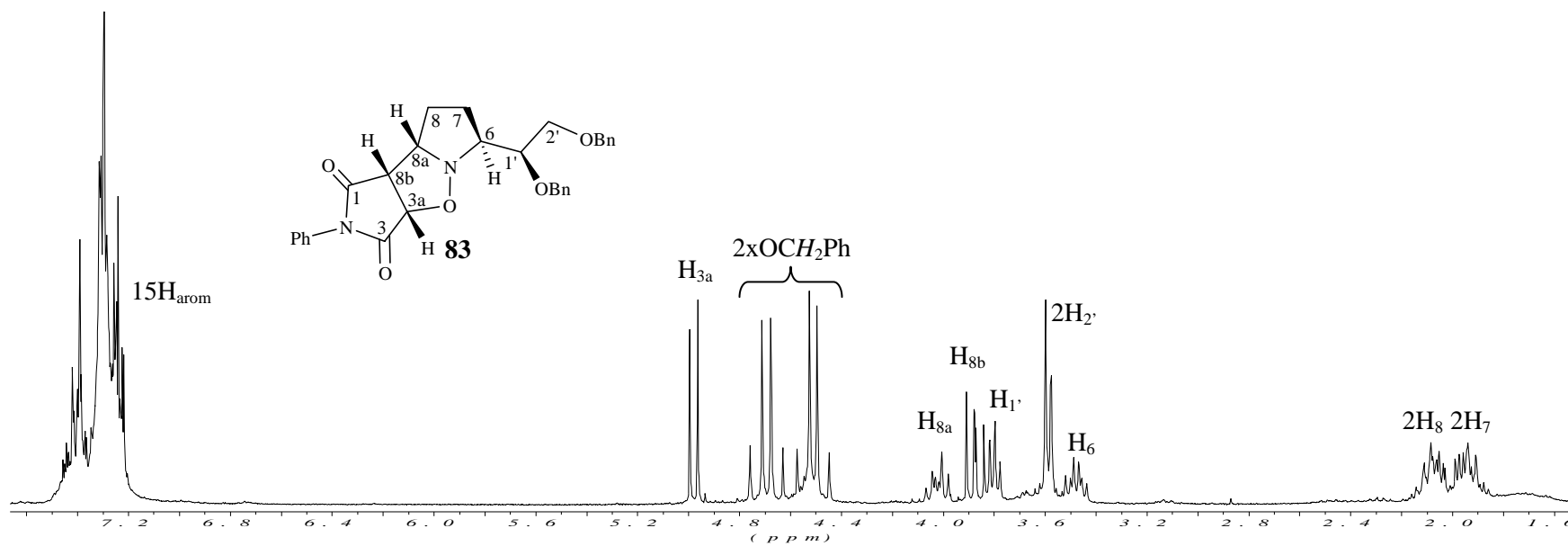
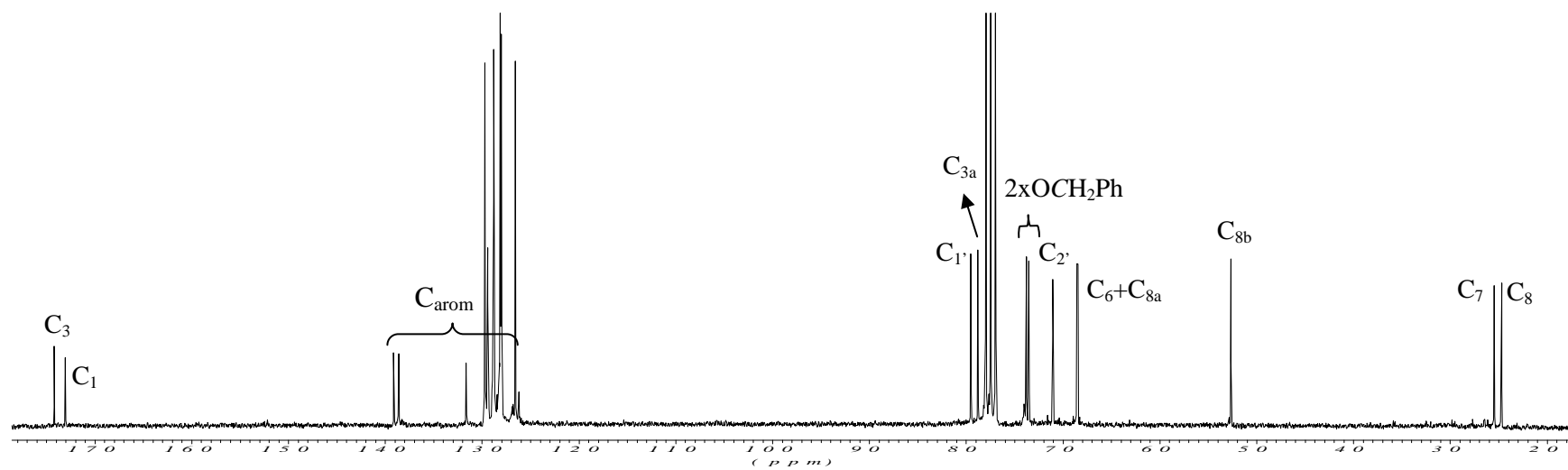
 ^1H -RMN (250 MHz), CDCl_3 de **54-sin**. ^{13}C -RMN (62.5 MHz), CDCl_3 de **54-sin**.

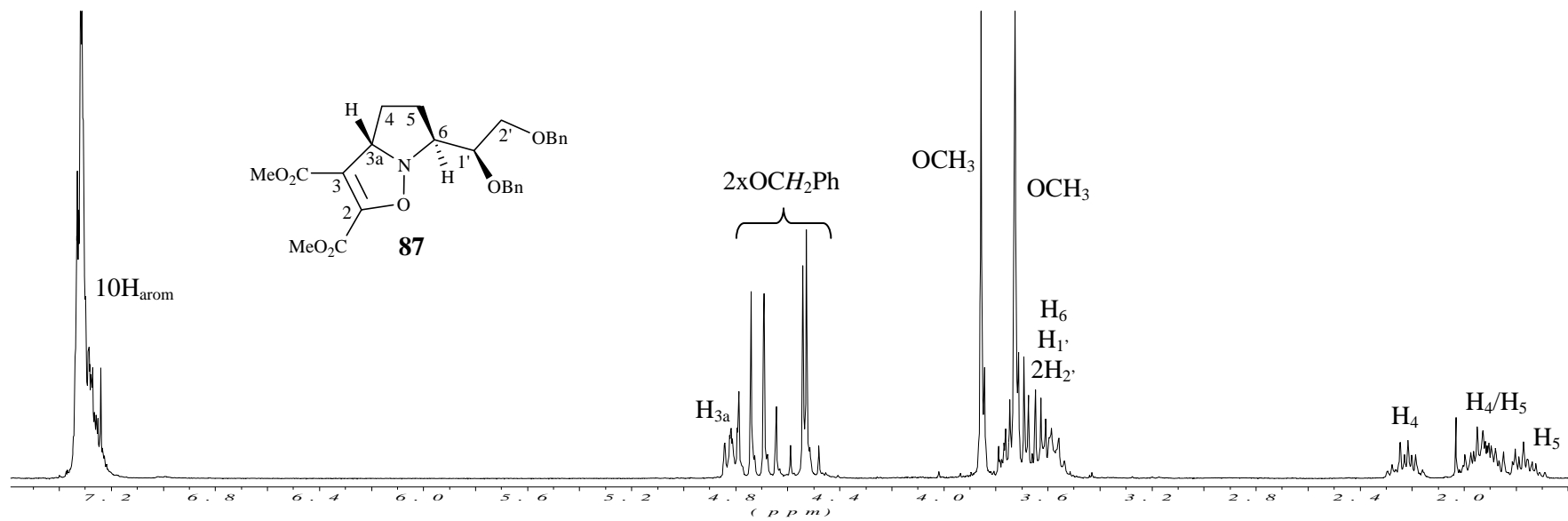
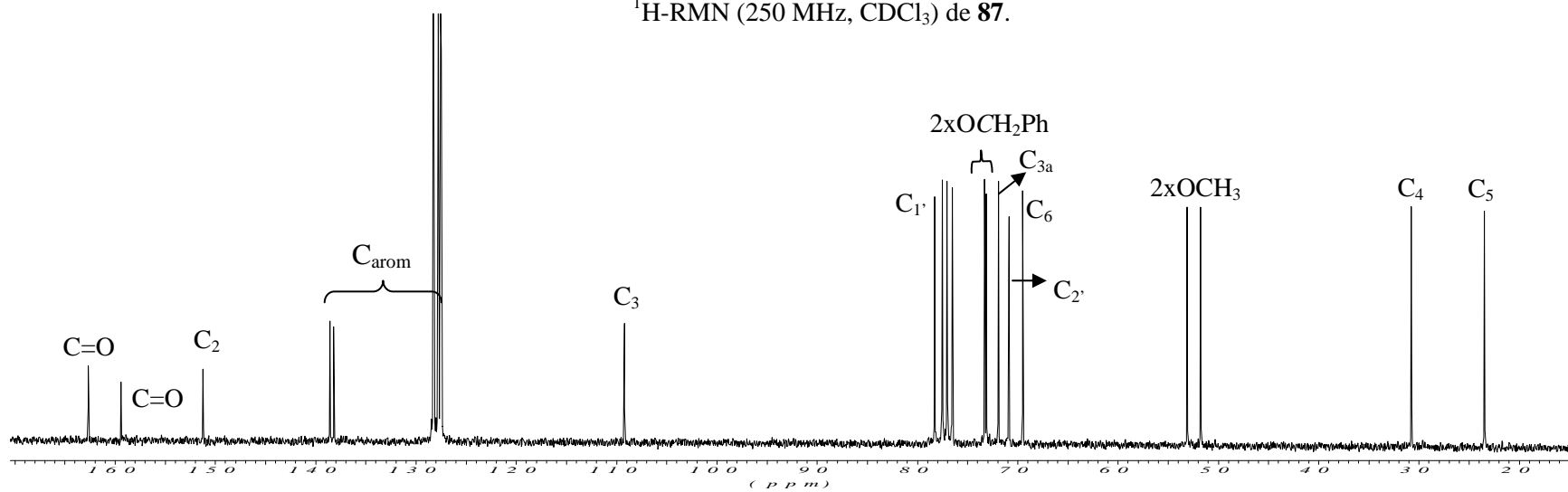


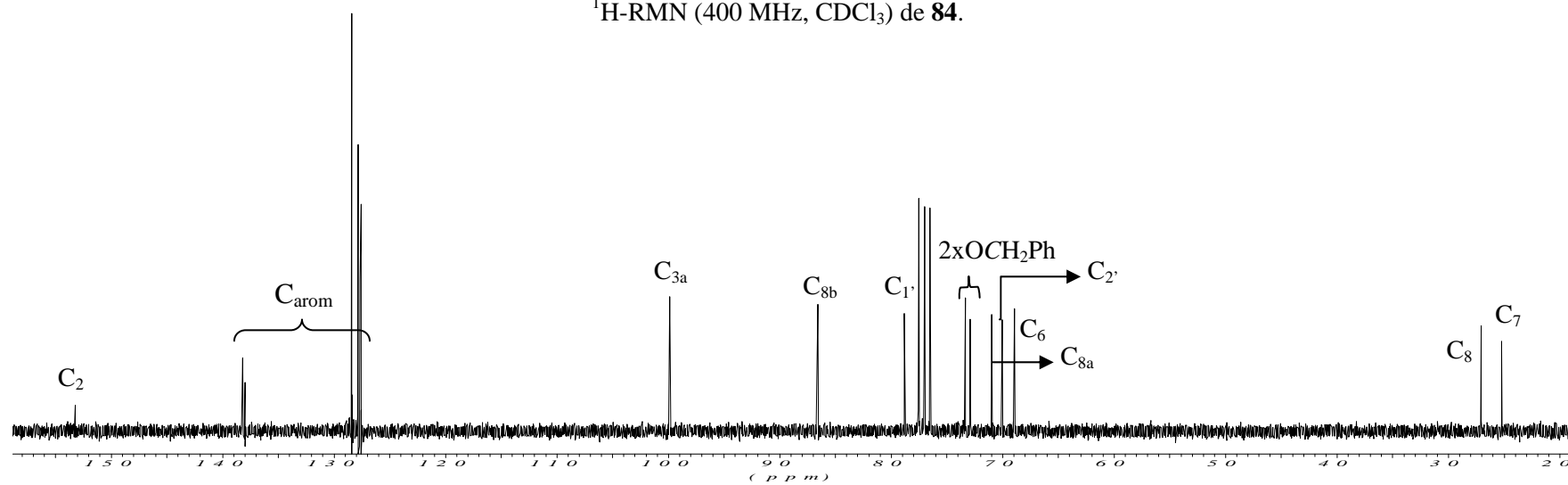
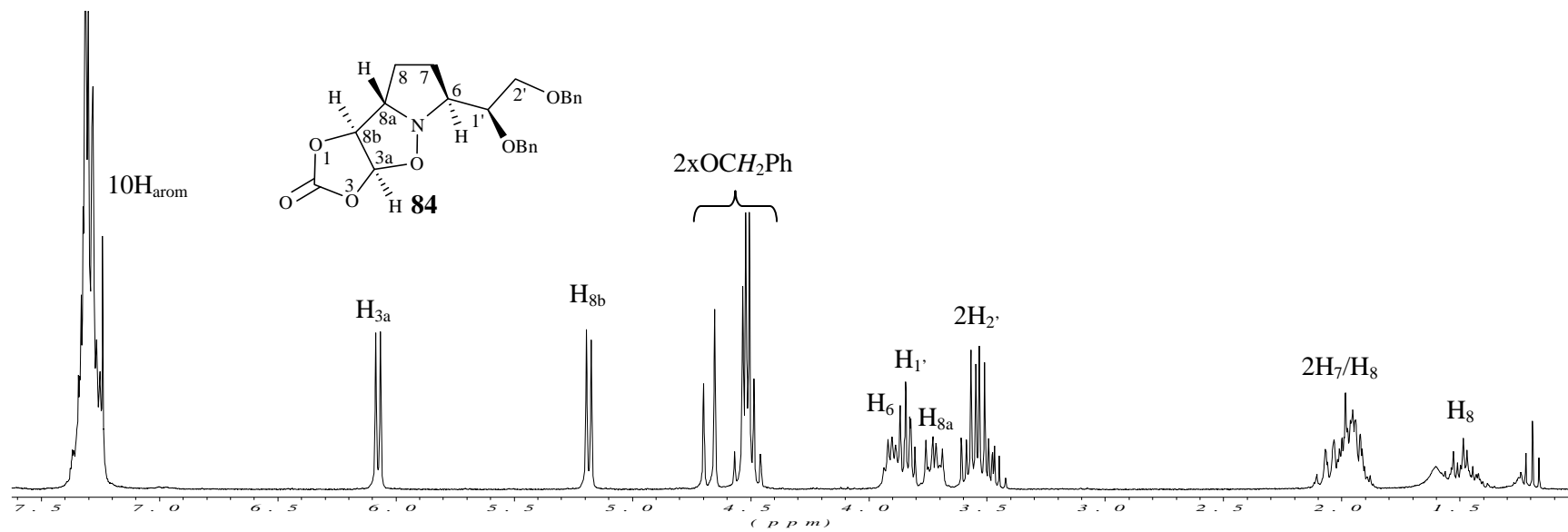


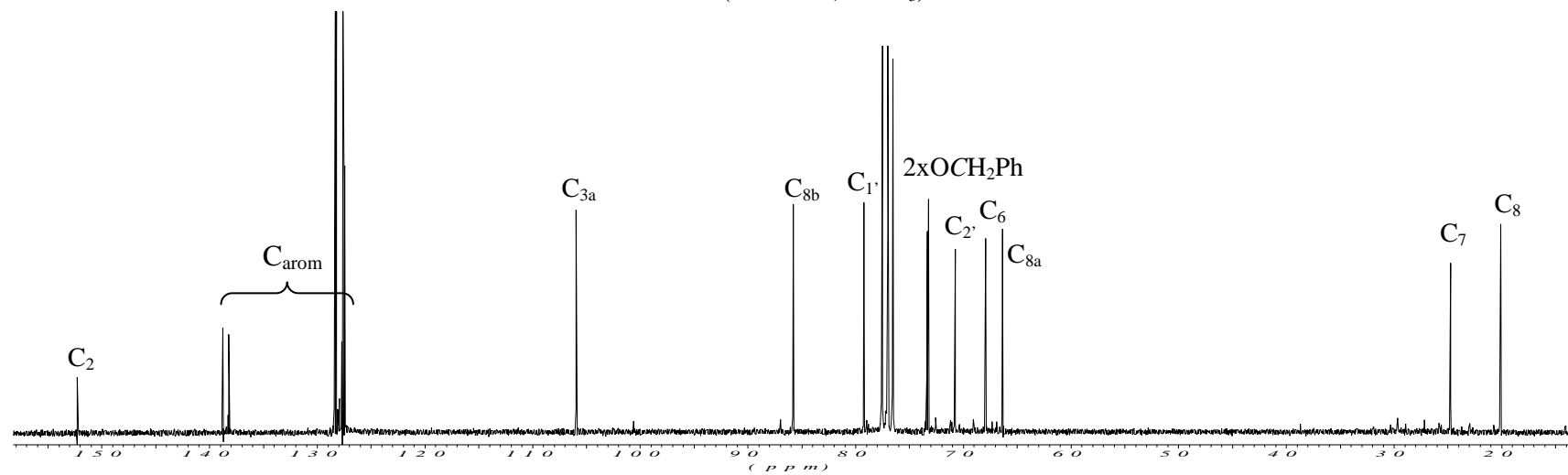
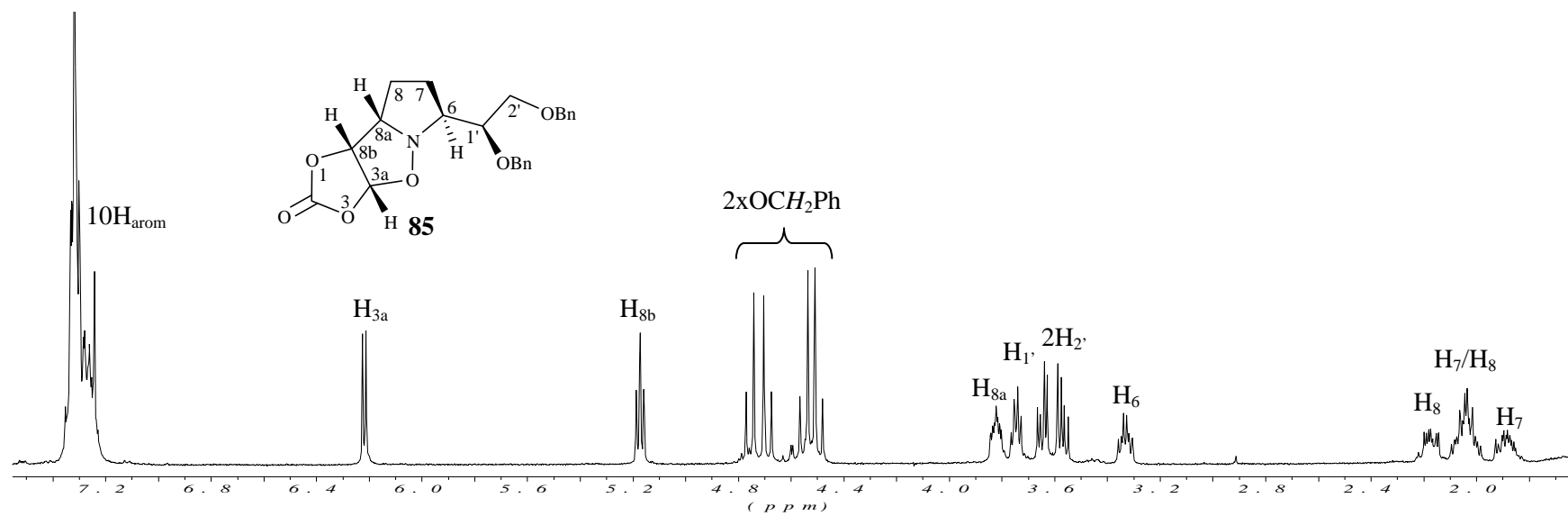


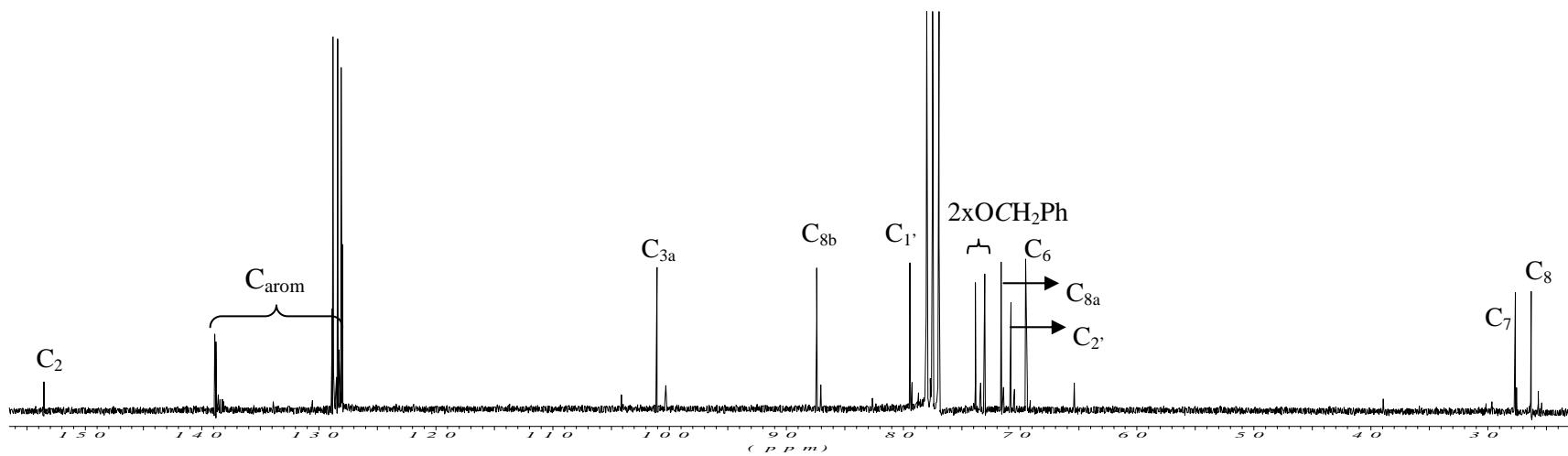
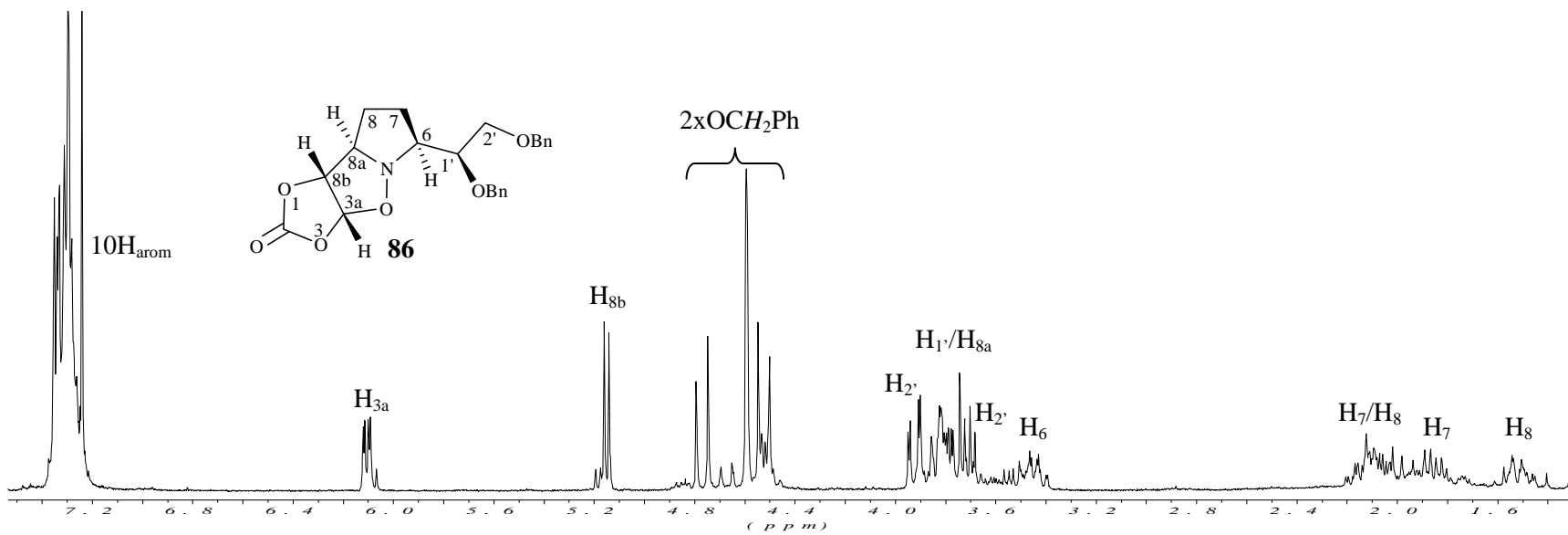
 ^1H -RMN (400 MHz, CDCl_3) de **82**. ^{13}C -RMN (62.5 MHz, CDCl_3) de **82**.

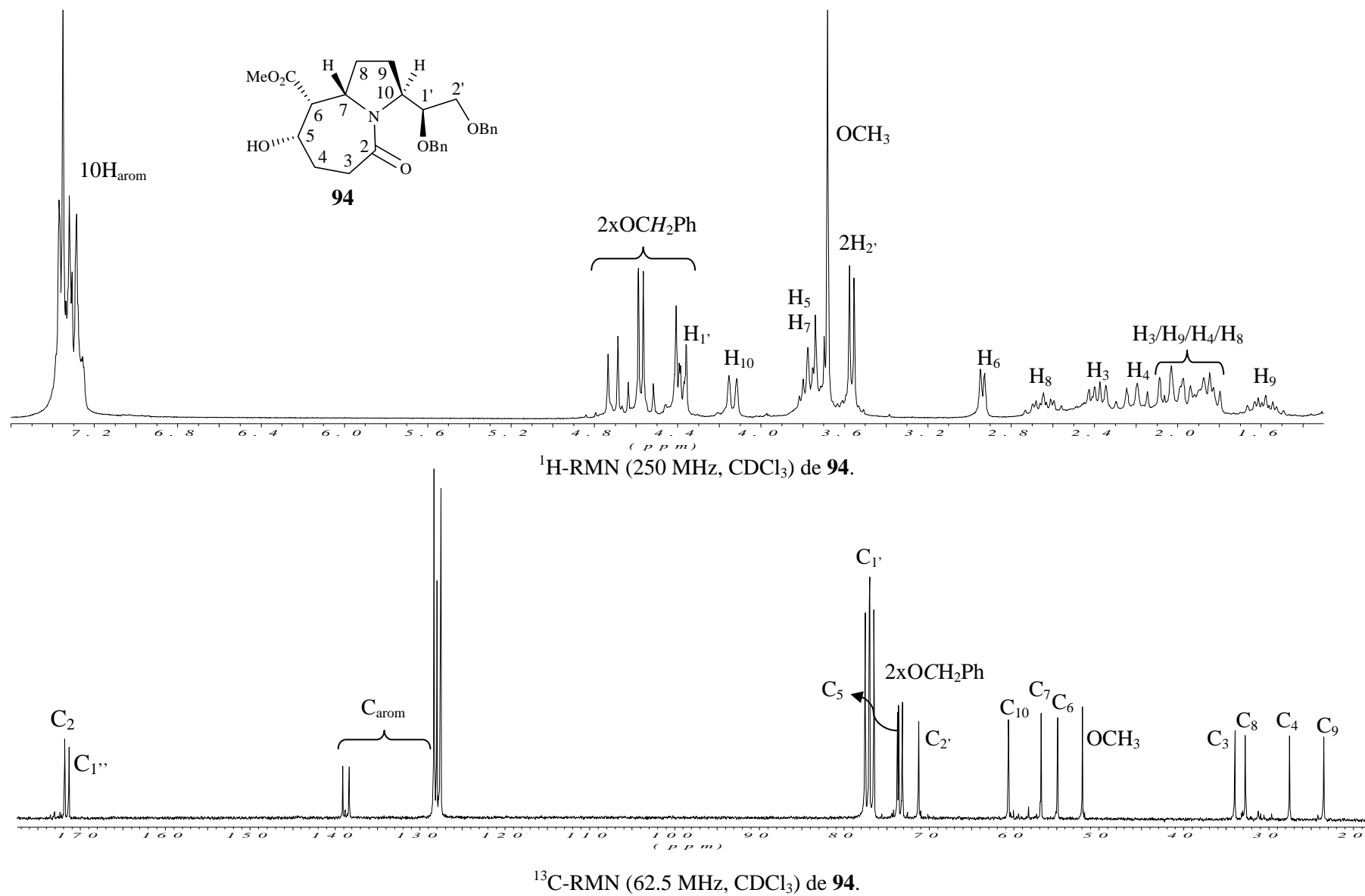
 ^1H -RMN (250 MHz, CDCl_3) de **83**. ^{13}C -RMN (62.5 MHz, CDCl_3) de **83**.

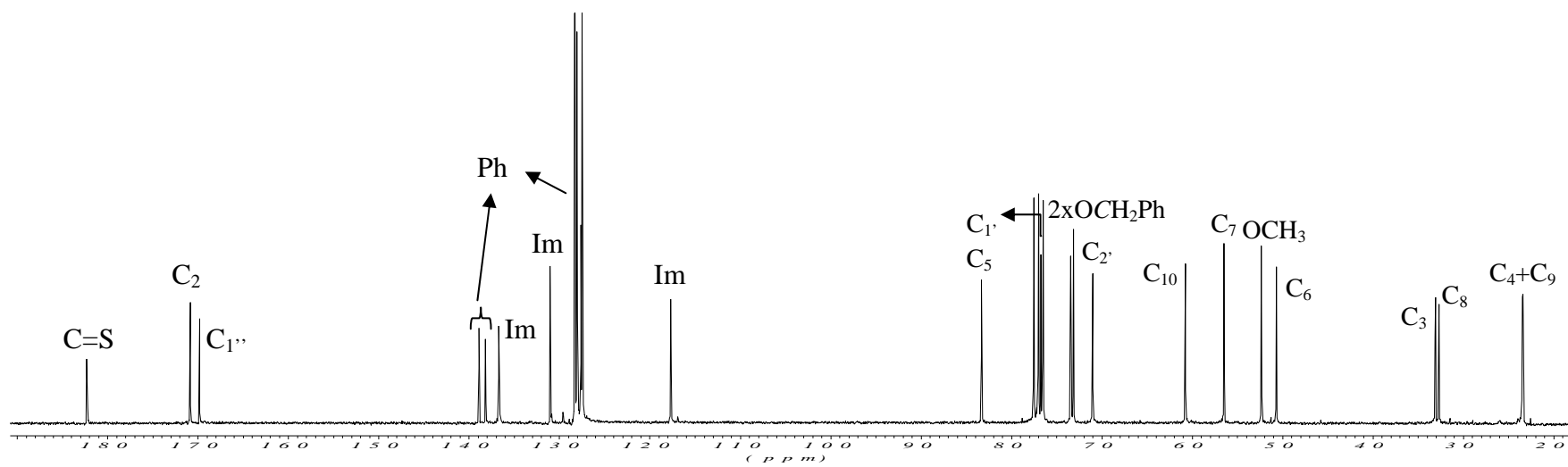
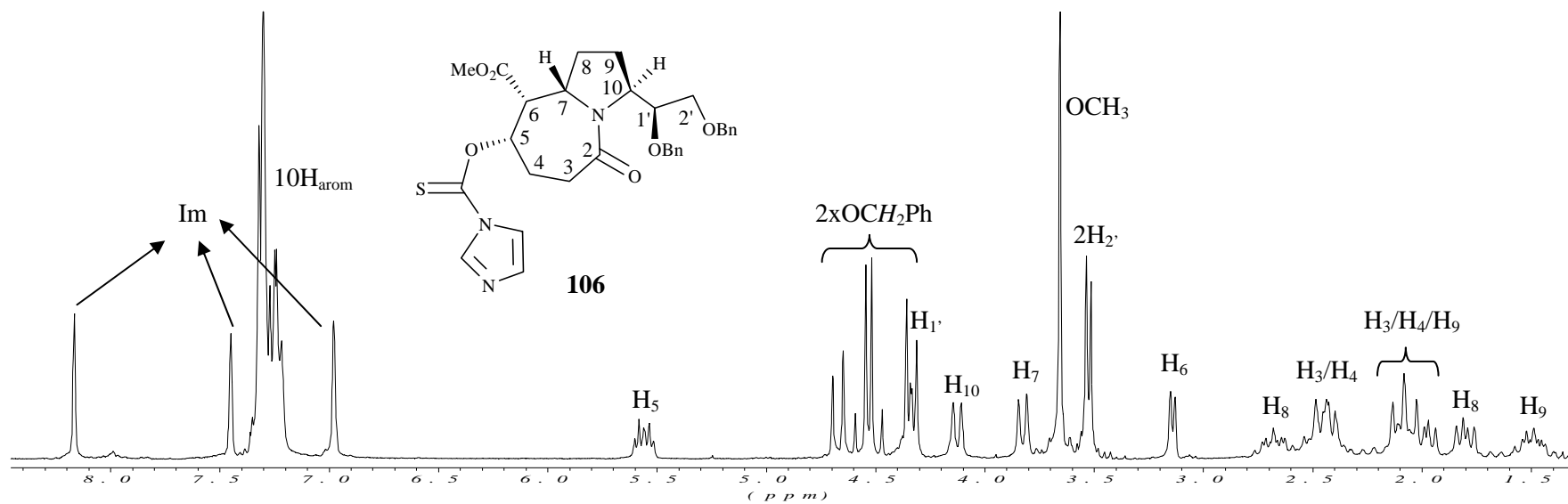
 $^1\text{H-NMR}$ (250 MHz, CDCl_3) de **87**. $^{13}\text{C-NMR}$ (62.5 MHz, CDCl_3) de **87**.

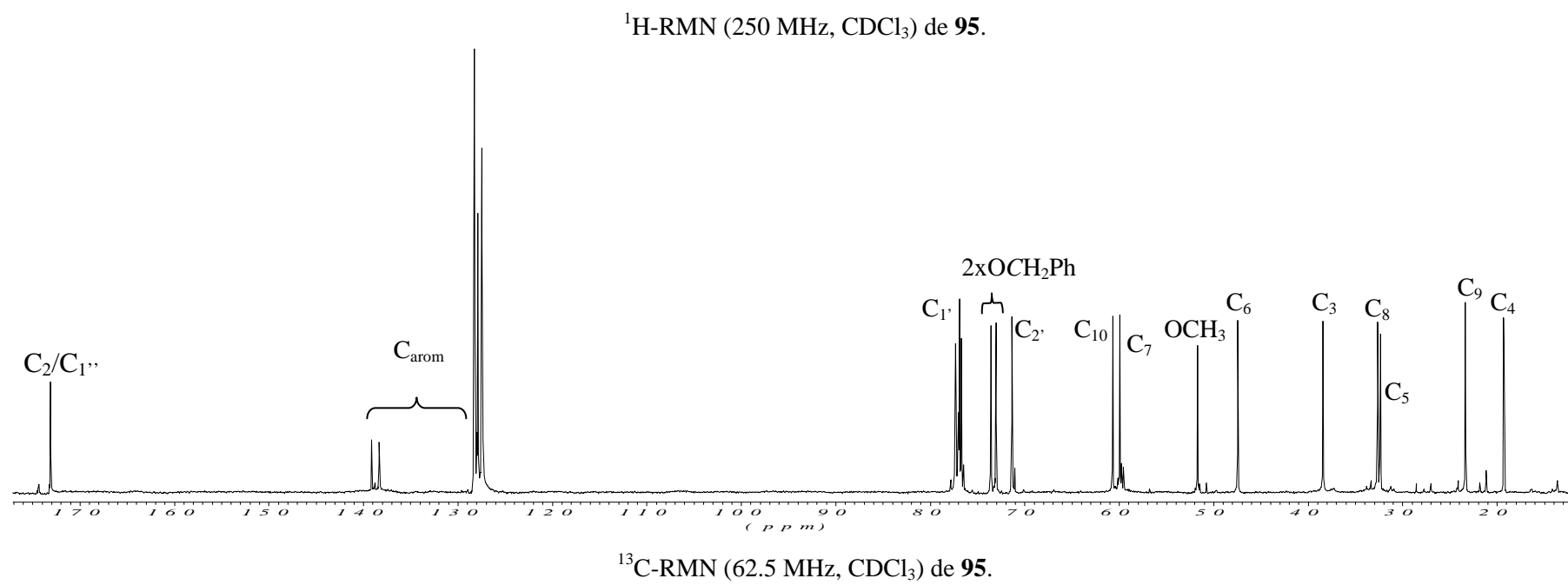
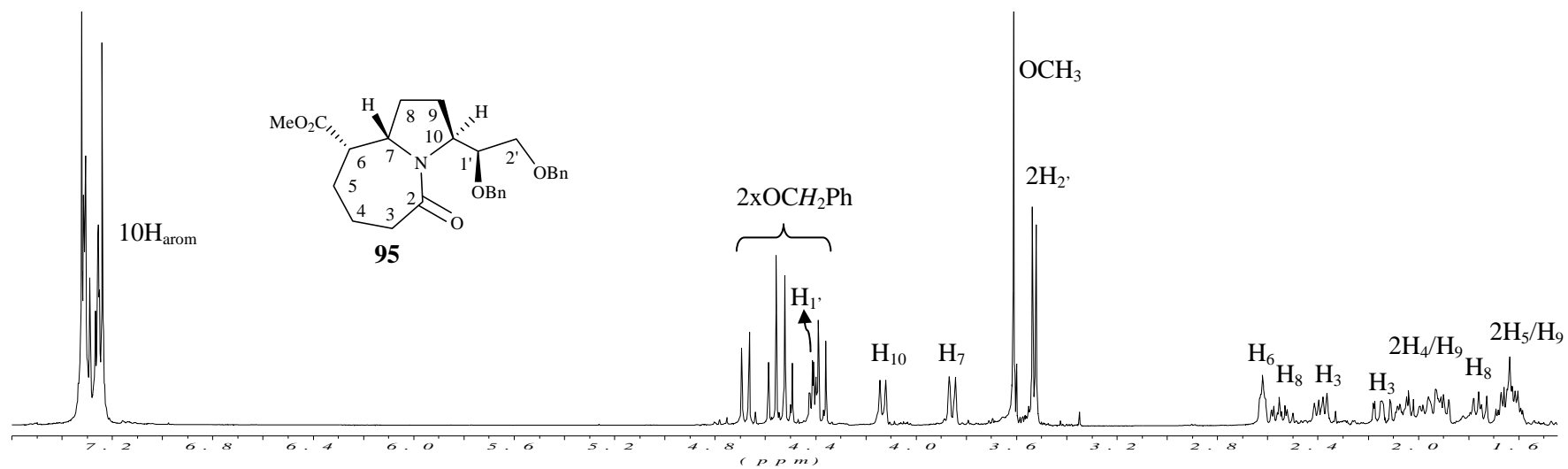


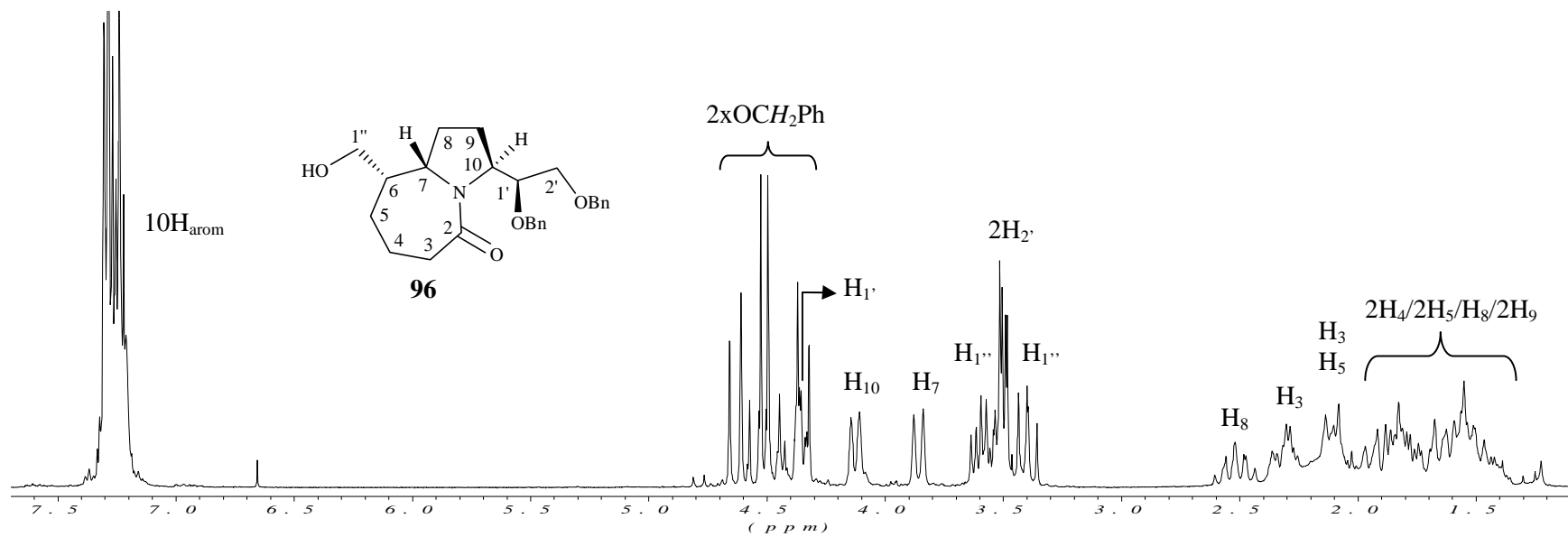
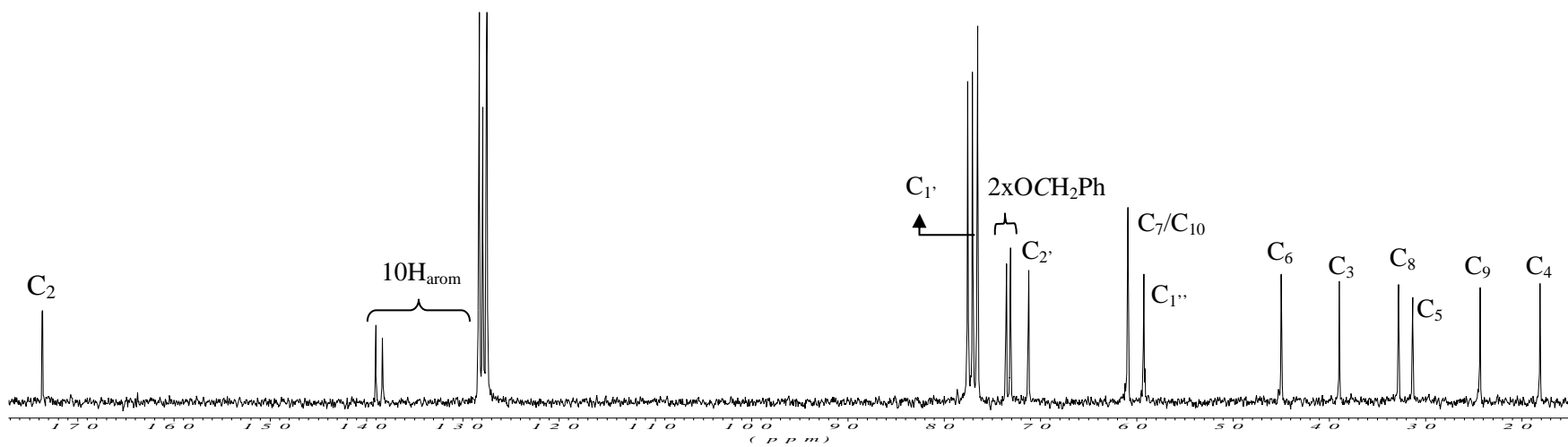


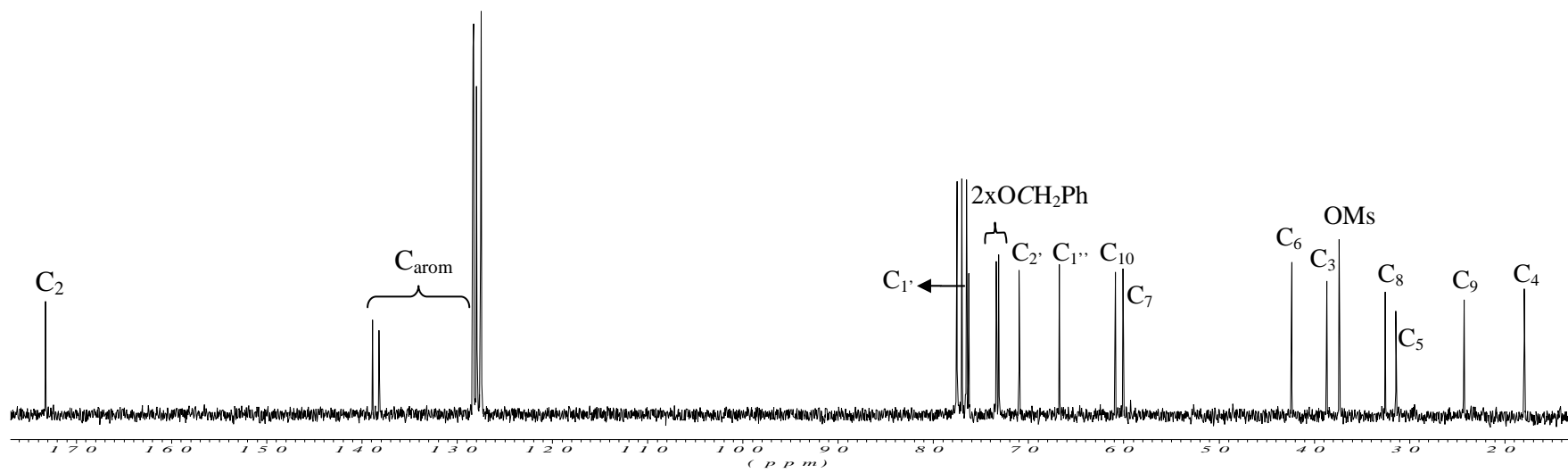
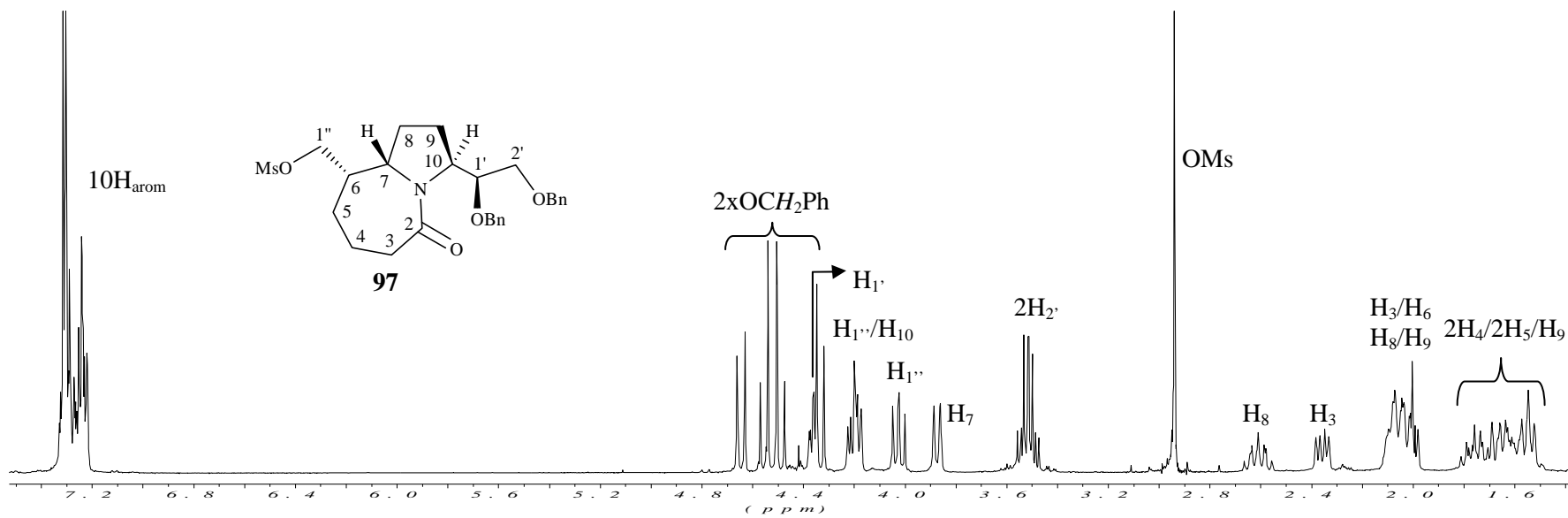


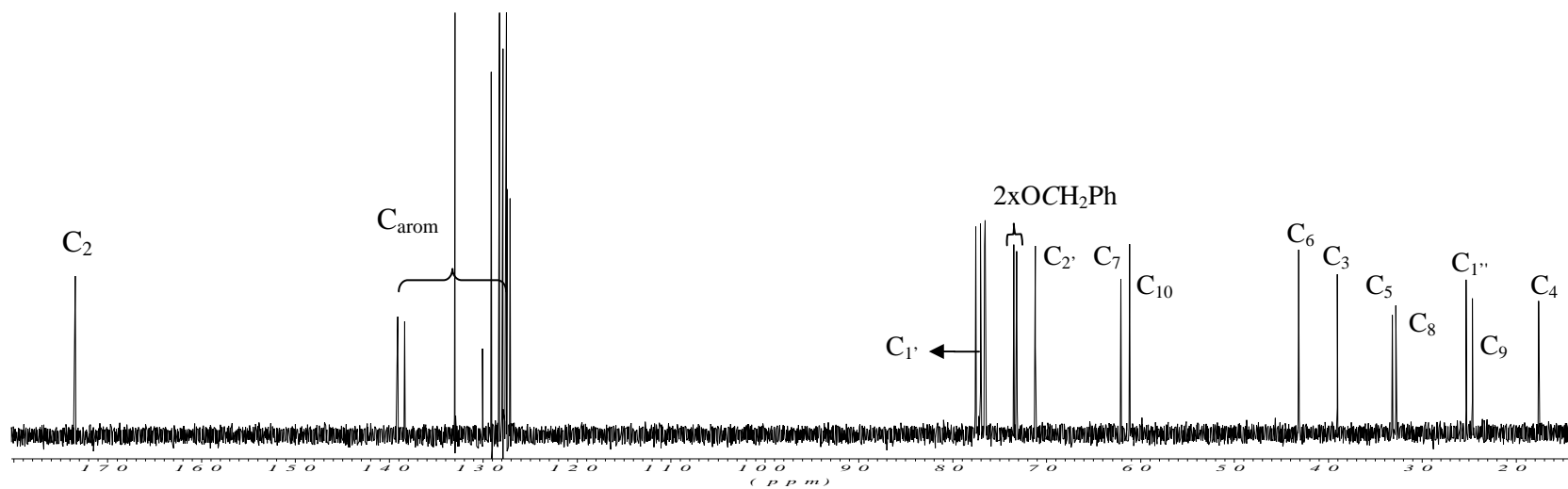
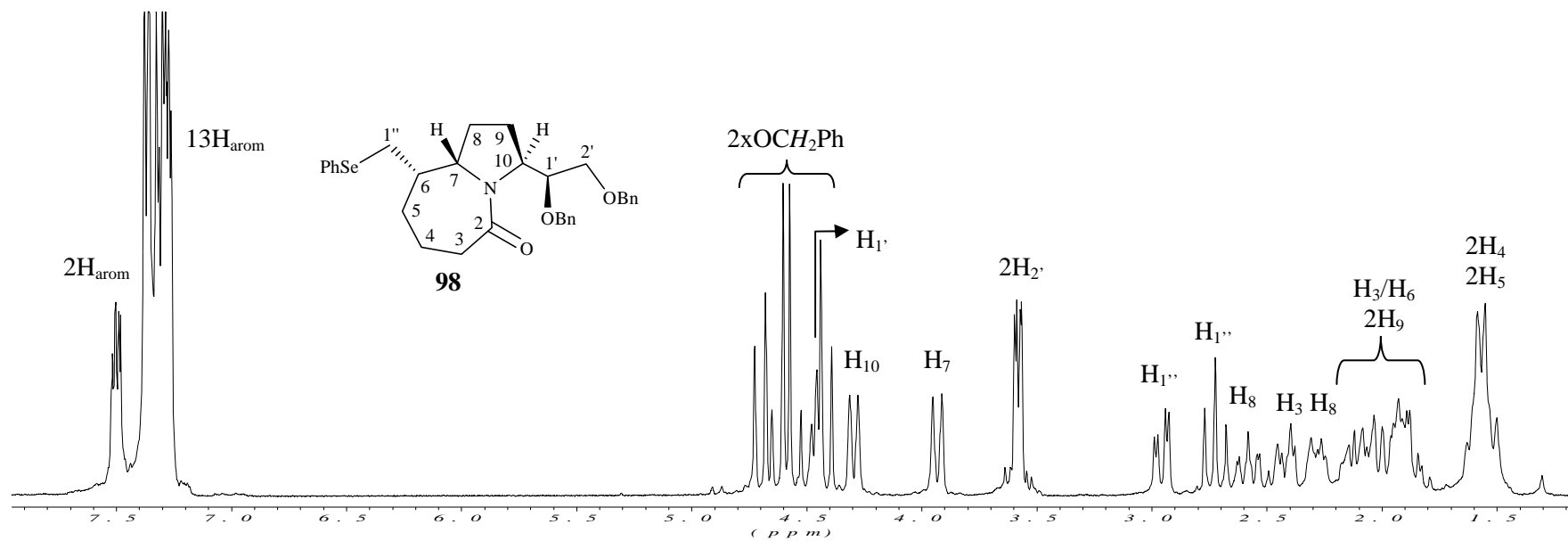


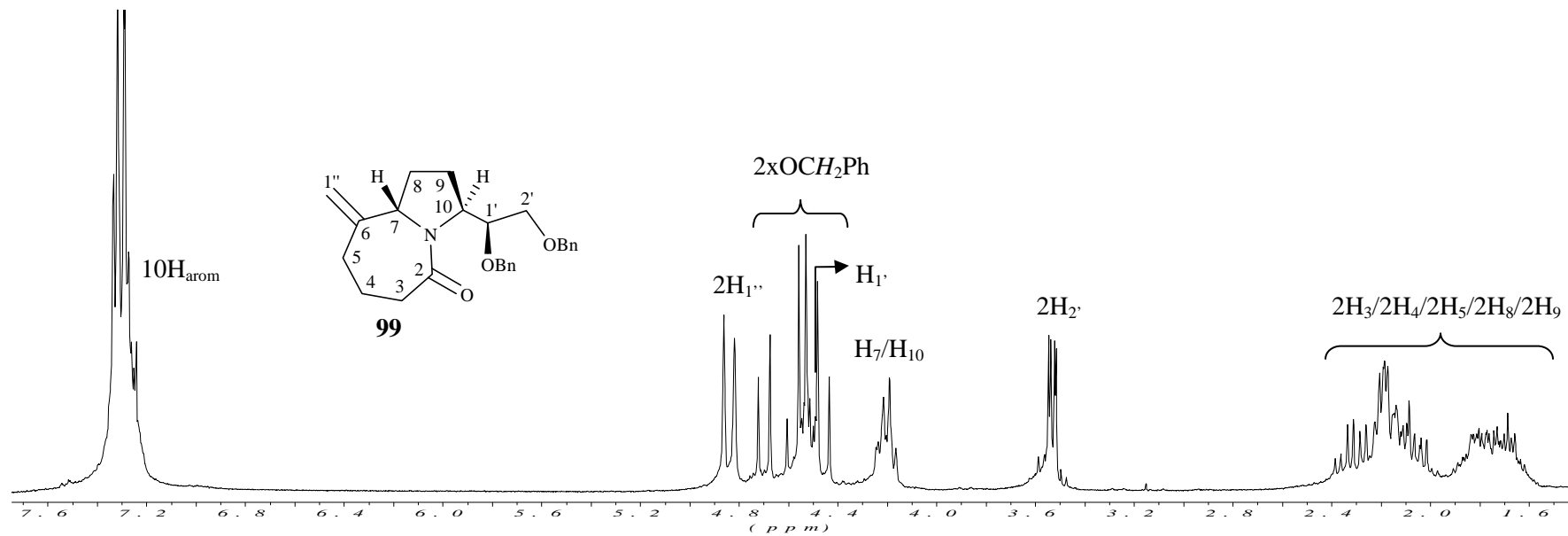
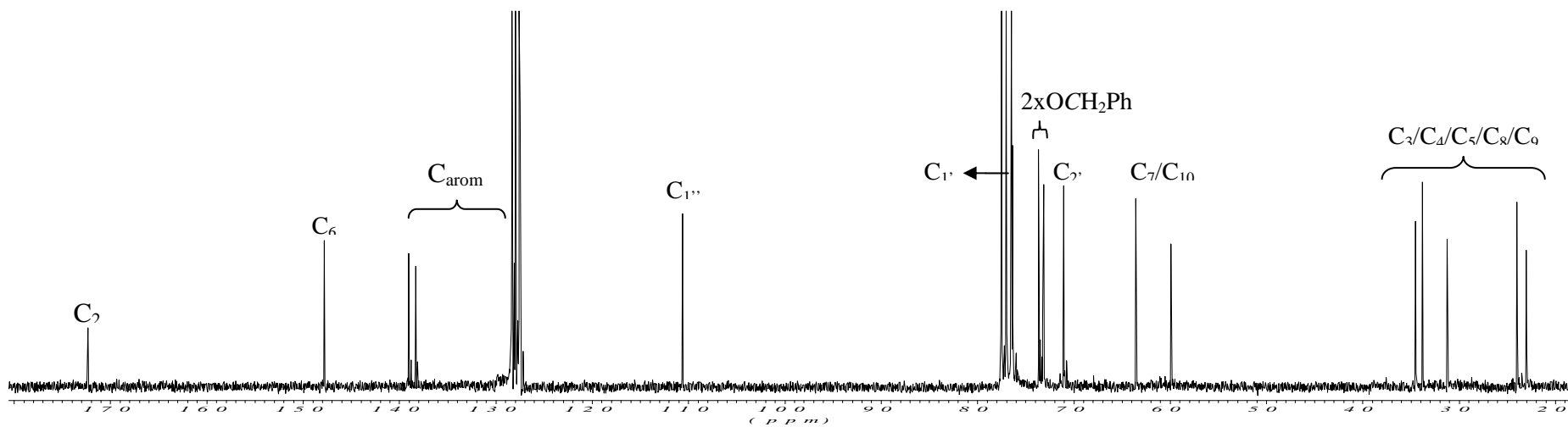


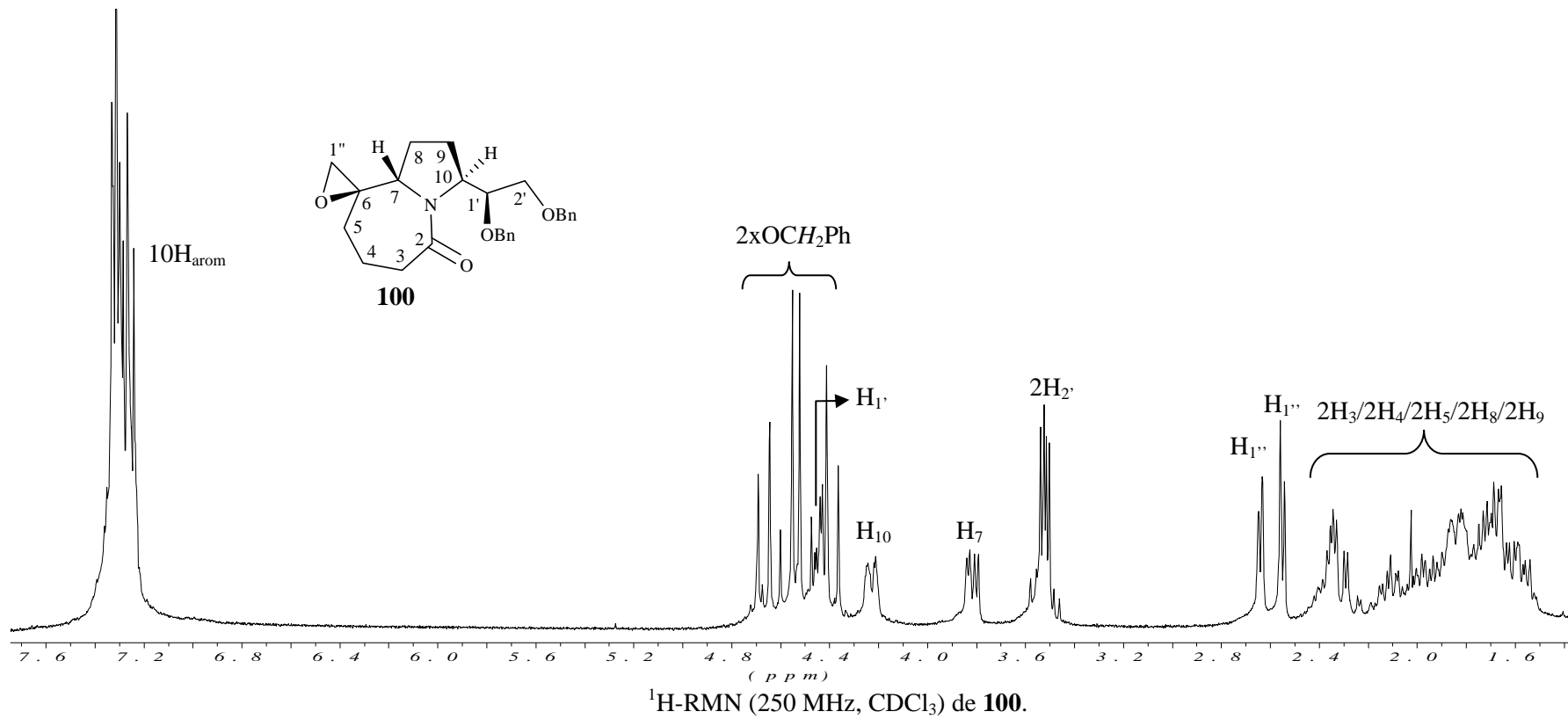


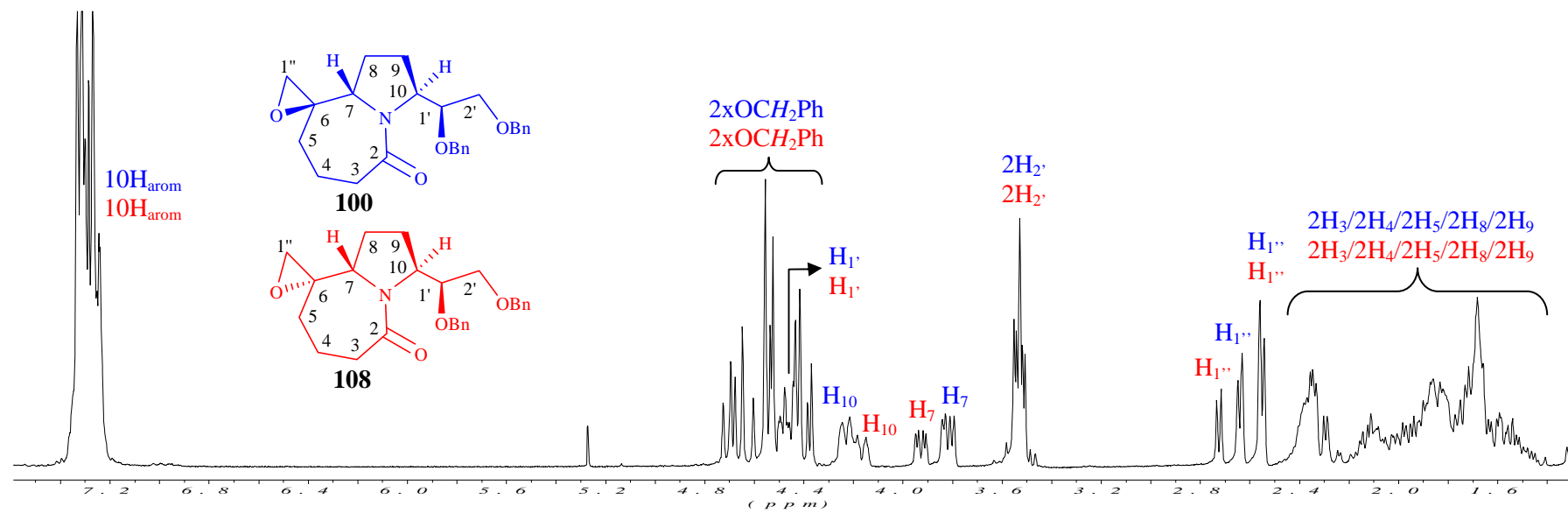
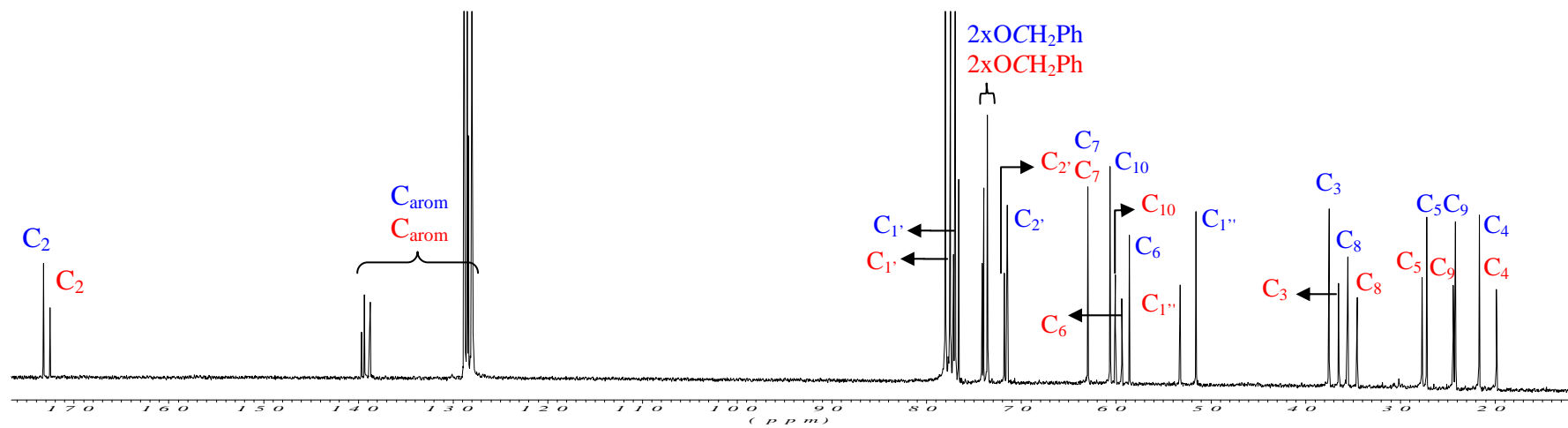
 1H -RMN (250 MHz), $CDCl_3$ de **96**. ^{13}C -RMN (62.5 MHz), $CDCl_3$ de **96**.

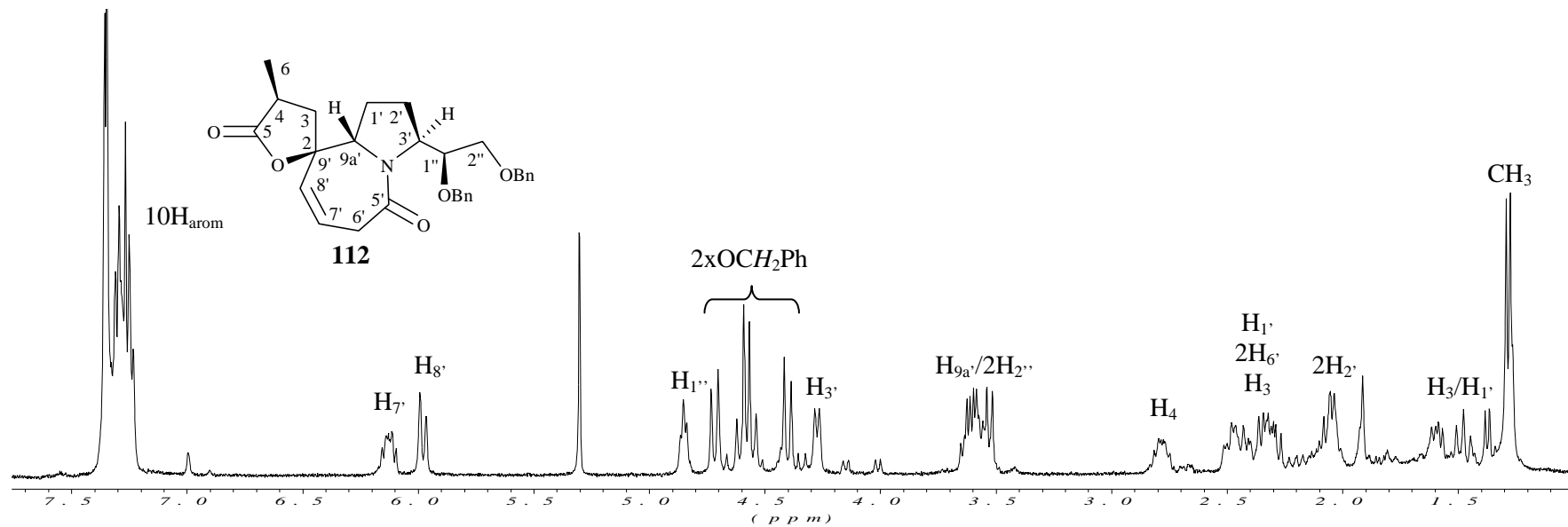
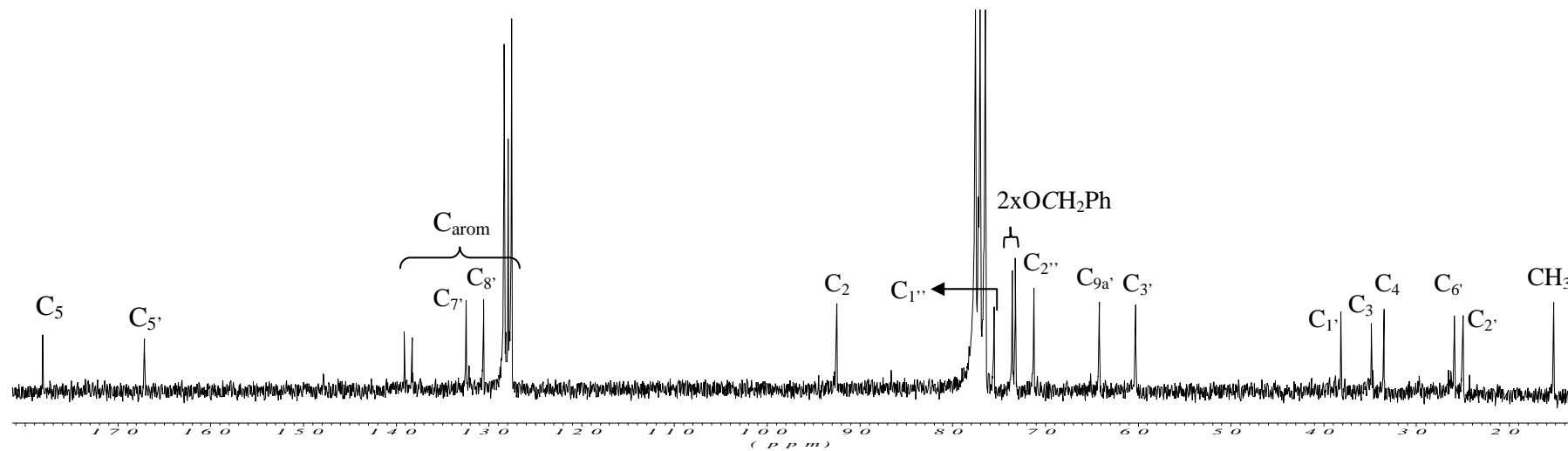


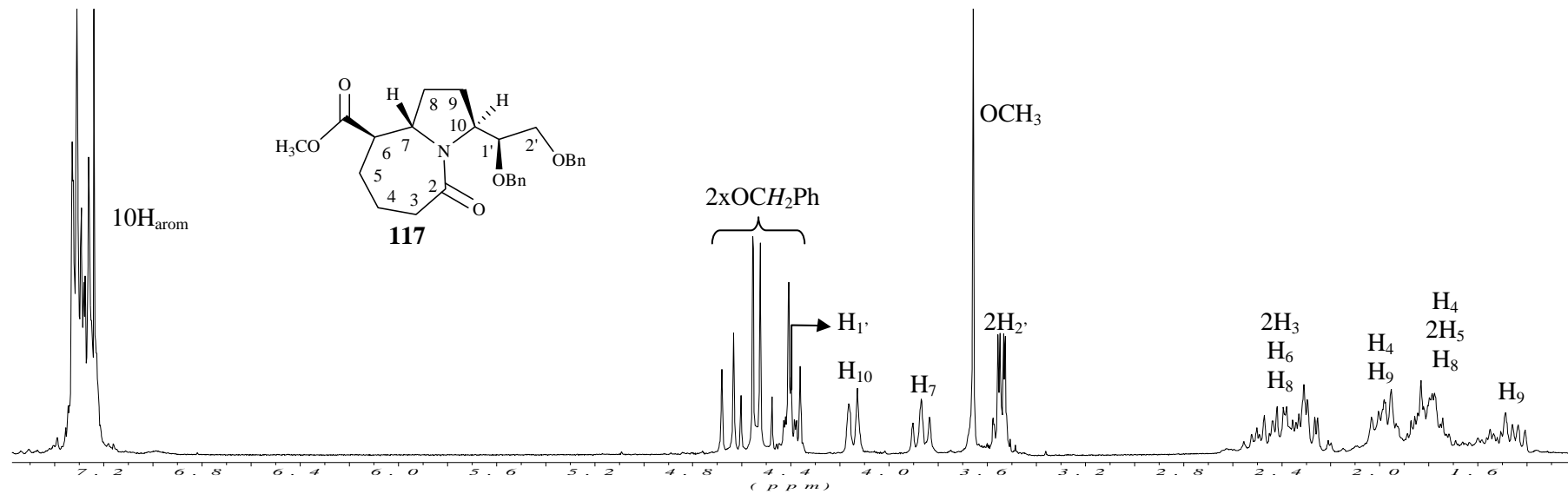
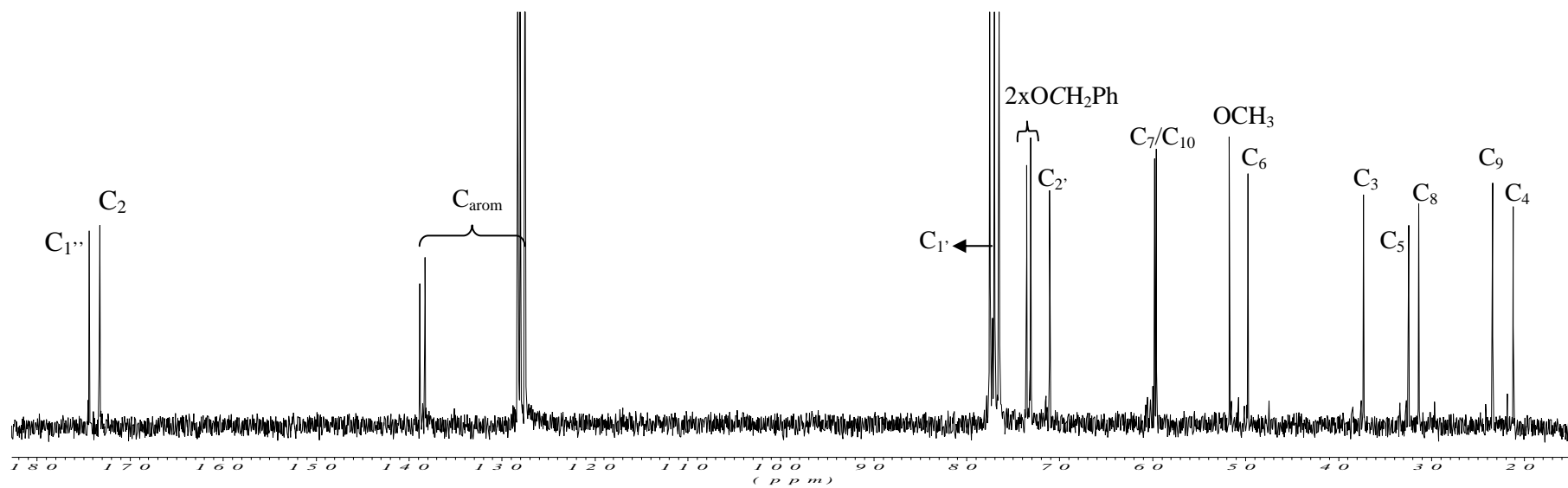


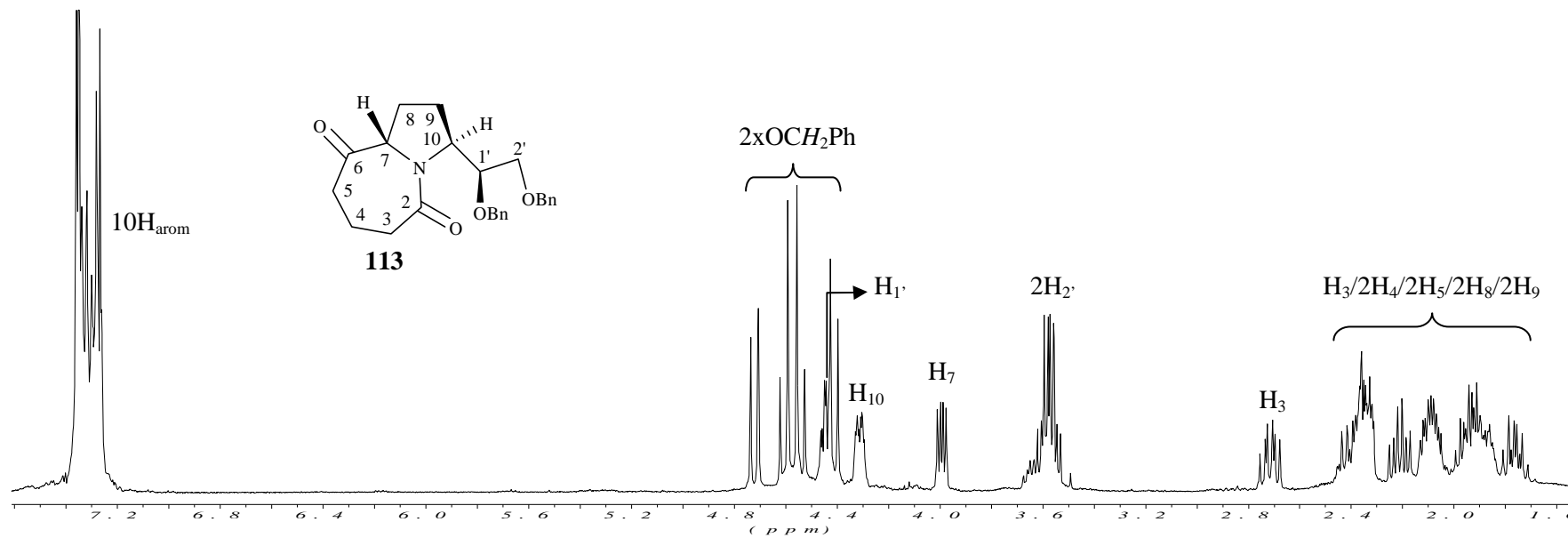
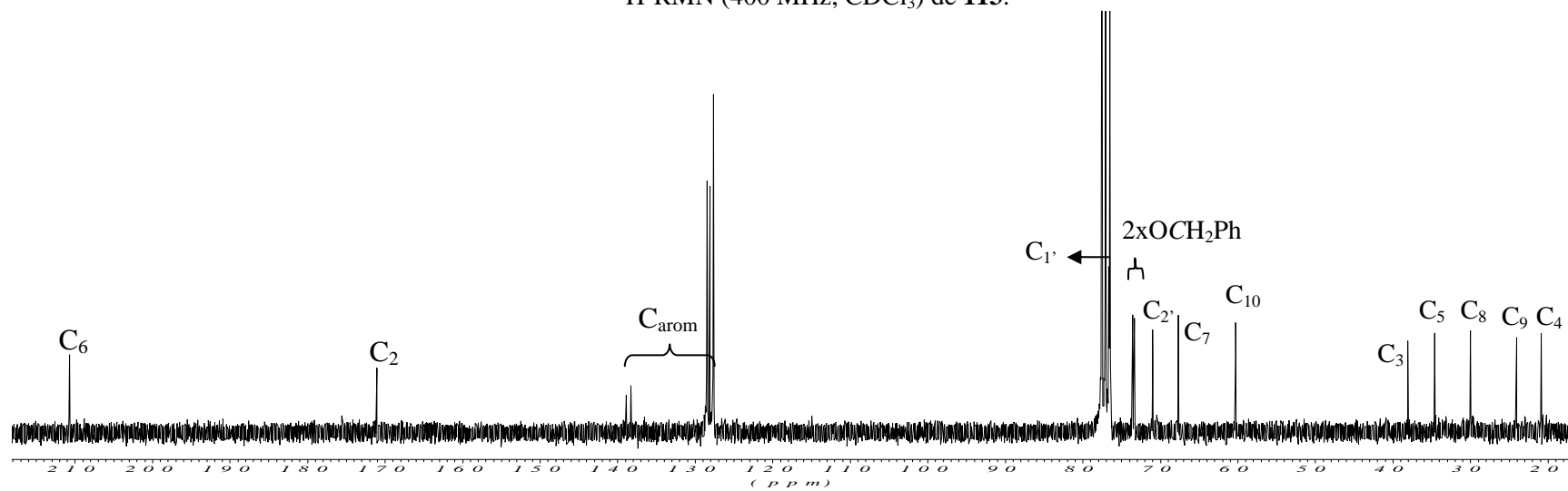
 $^1\text{H-NMR}$ (250 MHz), CDCl_3 de **99**. $^{13}\text{C-NMR}$ (62.5 MHz), CDCl_3 de **99**.

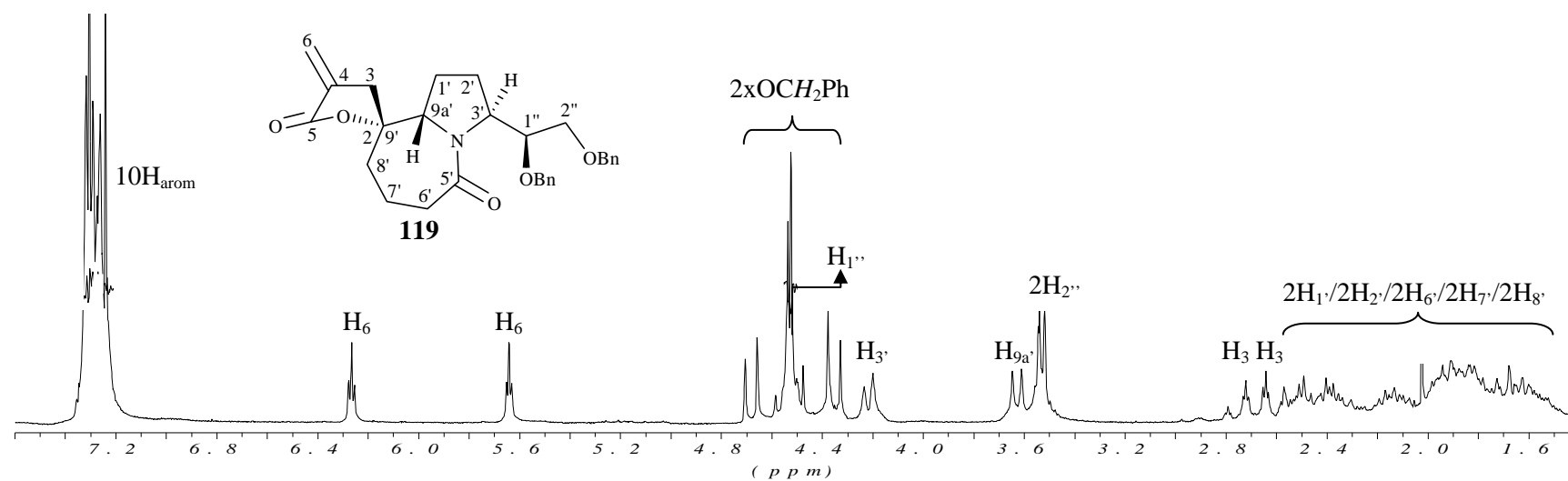
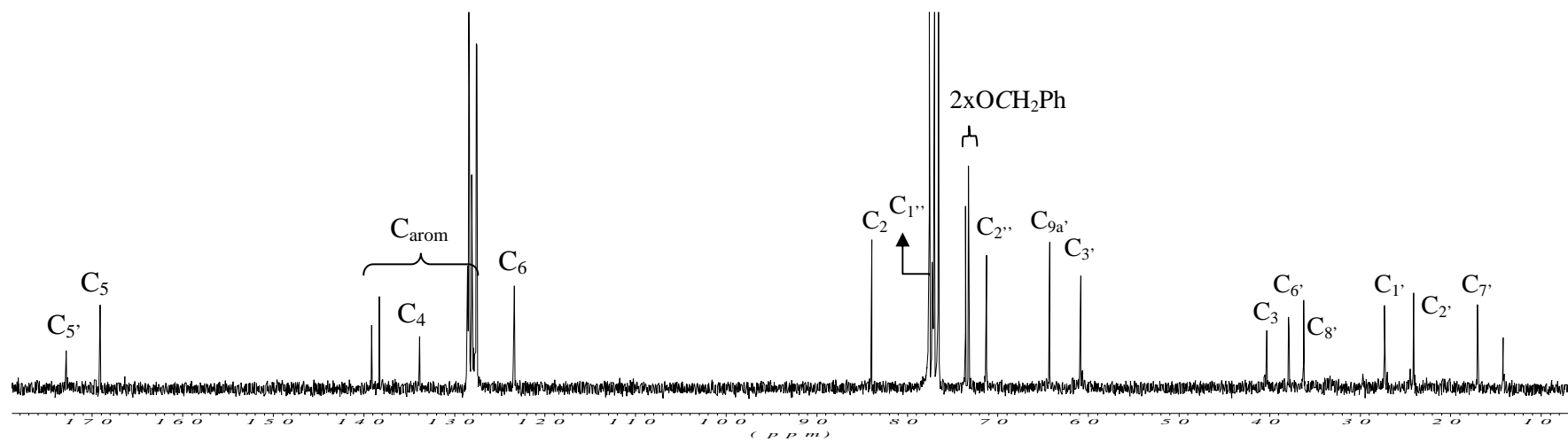


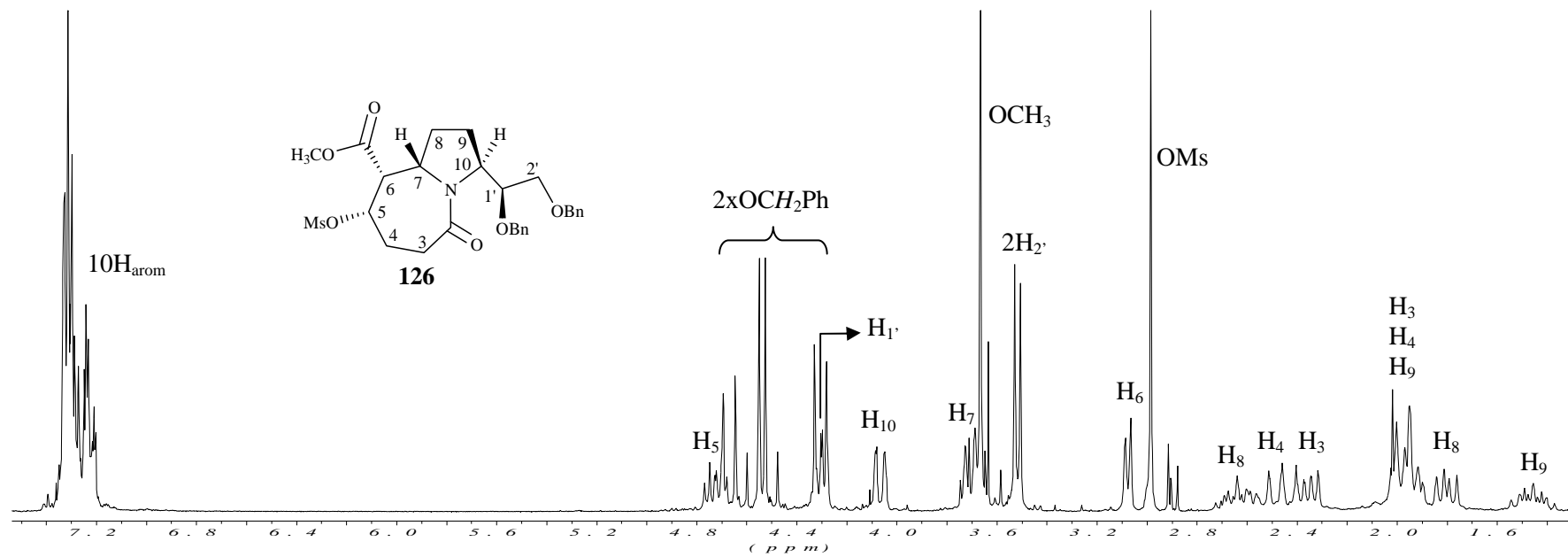
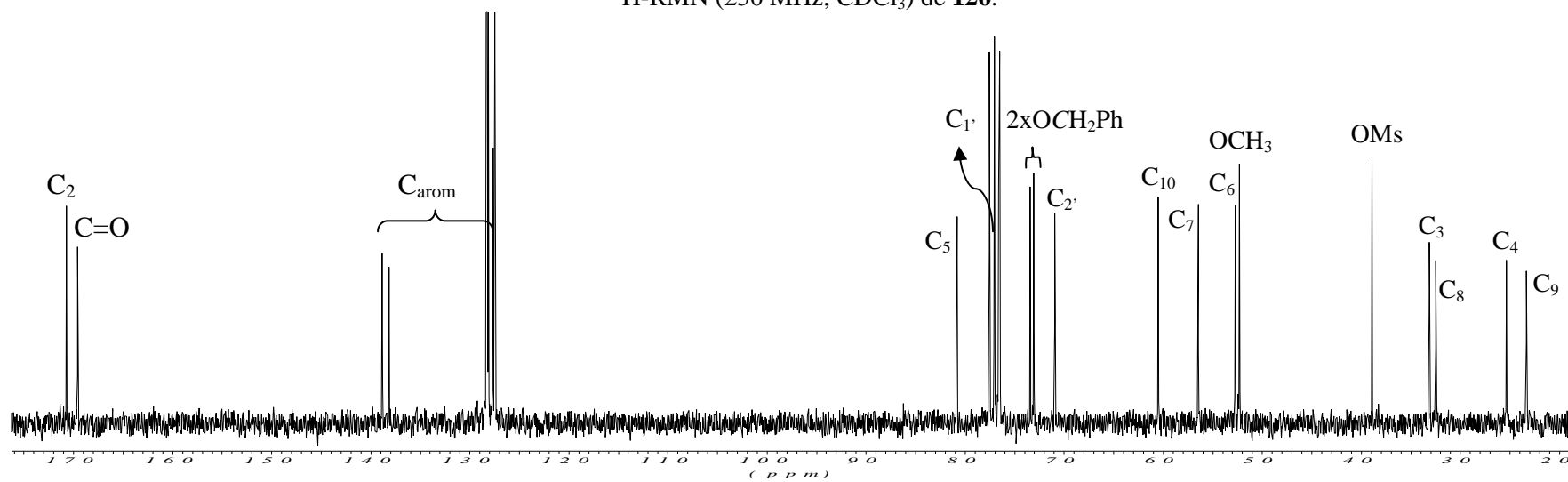
 $^1\text{H-RMN}$ (250 MHz), CDCl_3 de **100** y **108**. $^{13}\text{C-RMN}$ (62.5 MHz), CDCl_3 de **100** y **108**.

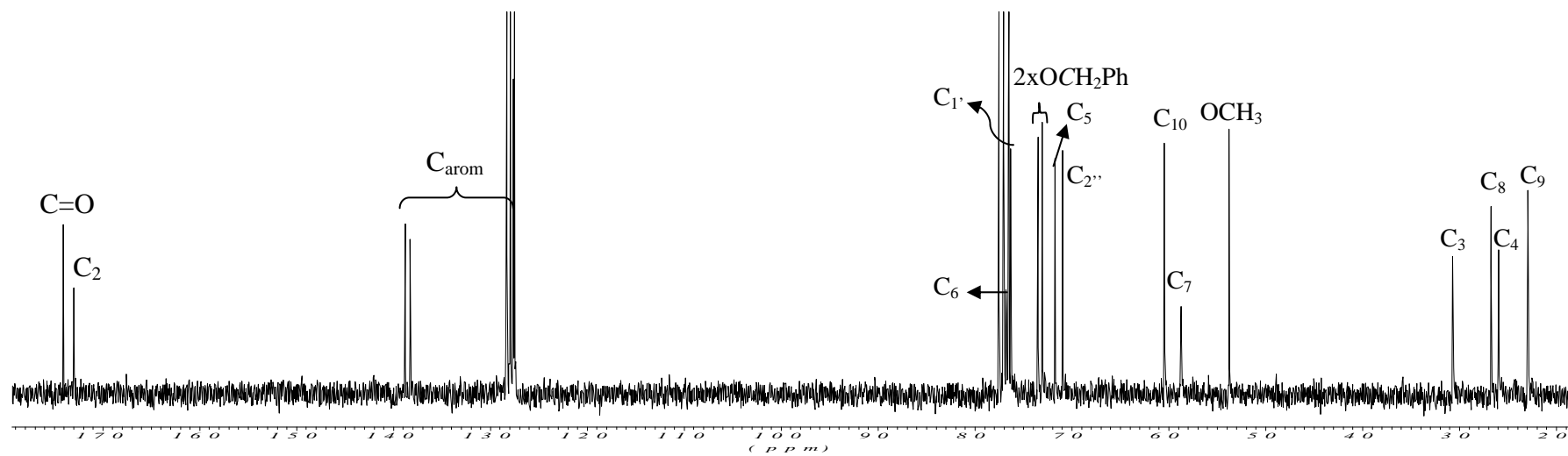
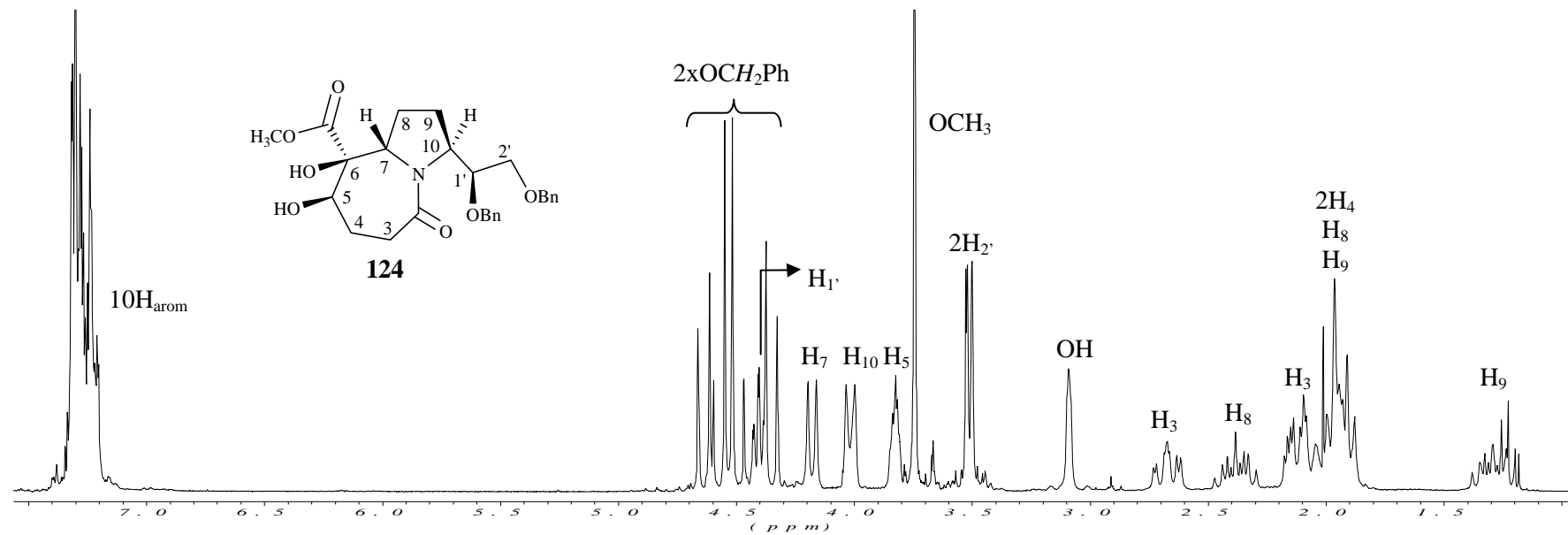
 1H -RMN (250 MHz, $CDCl_3$) de **112**. ^{13}C -RMN (62.5 MHz, $CDCl_3$) de **112**.

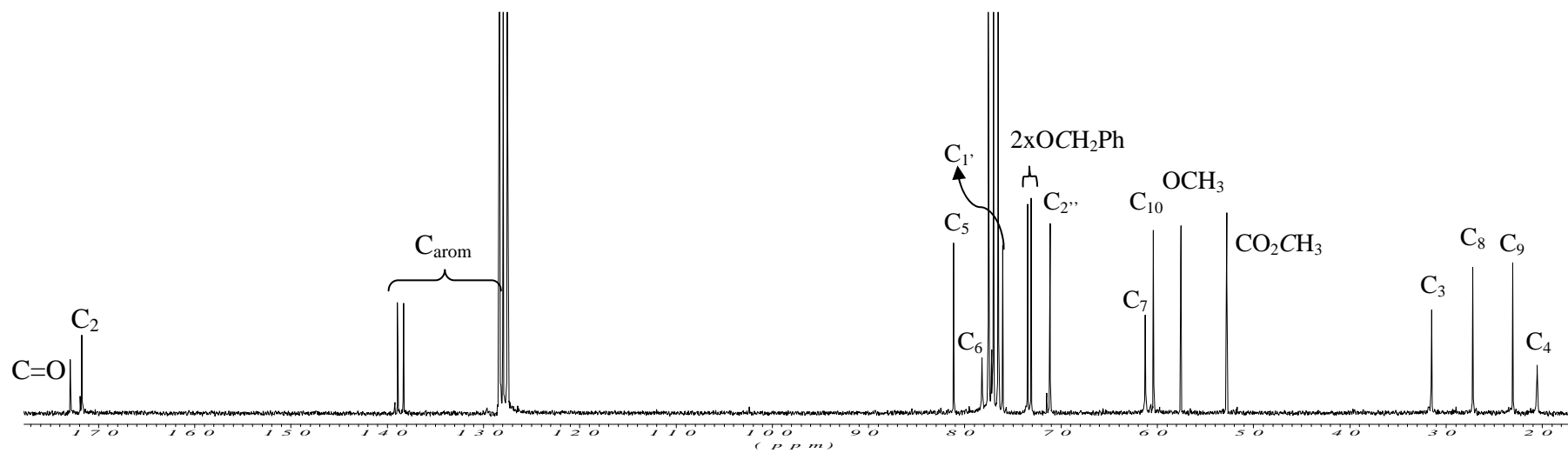
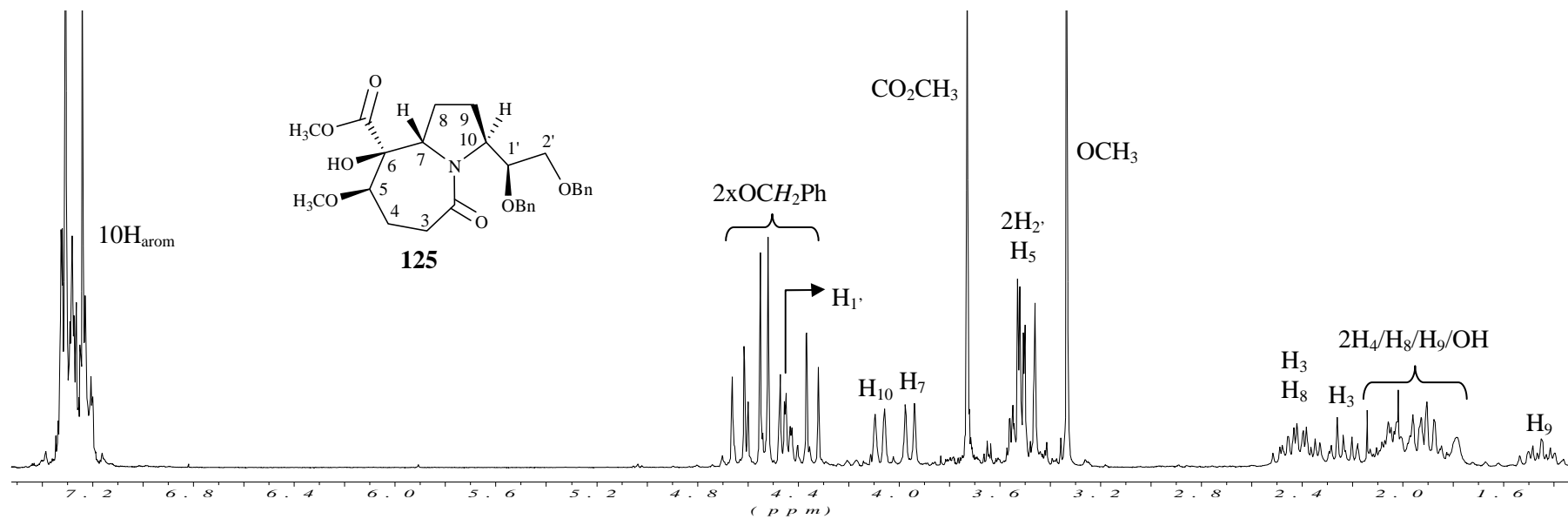
 $^1\text{H-NMR}$ (250 MHz, CDCl_3) de **117**. $^{13}\text{C-NMR}$ (62.5 MHz, CDCl_3) de **117**.

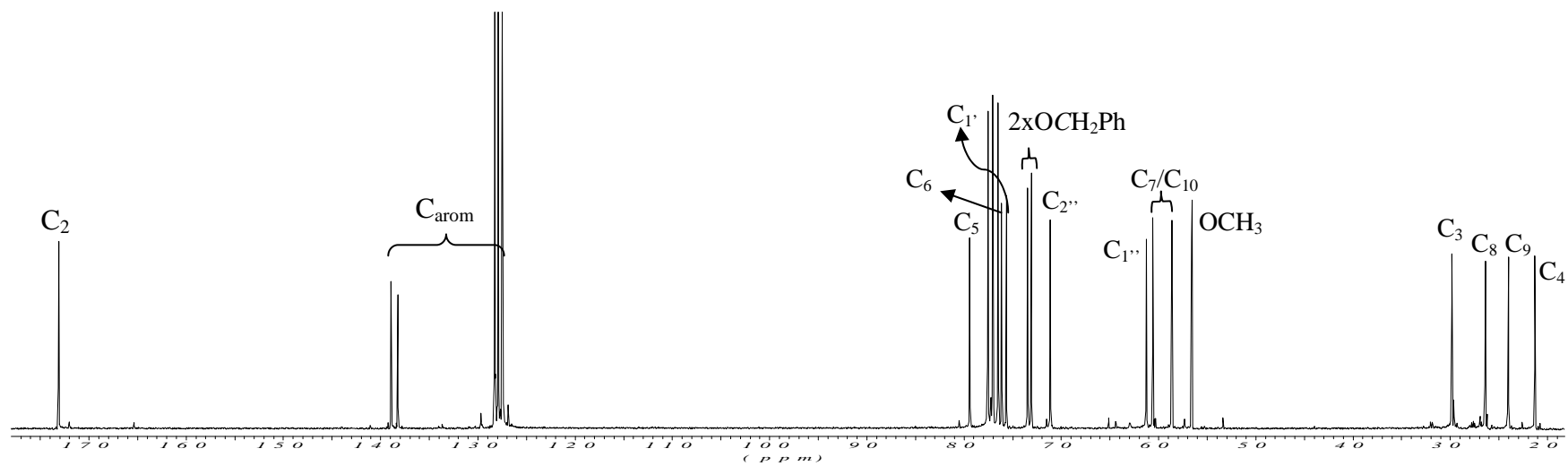
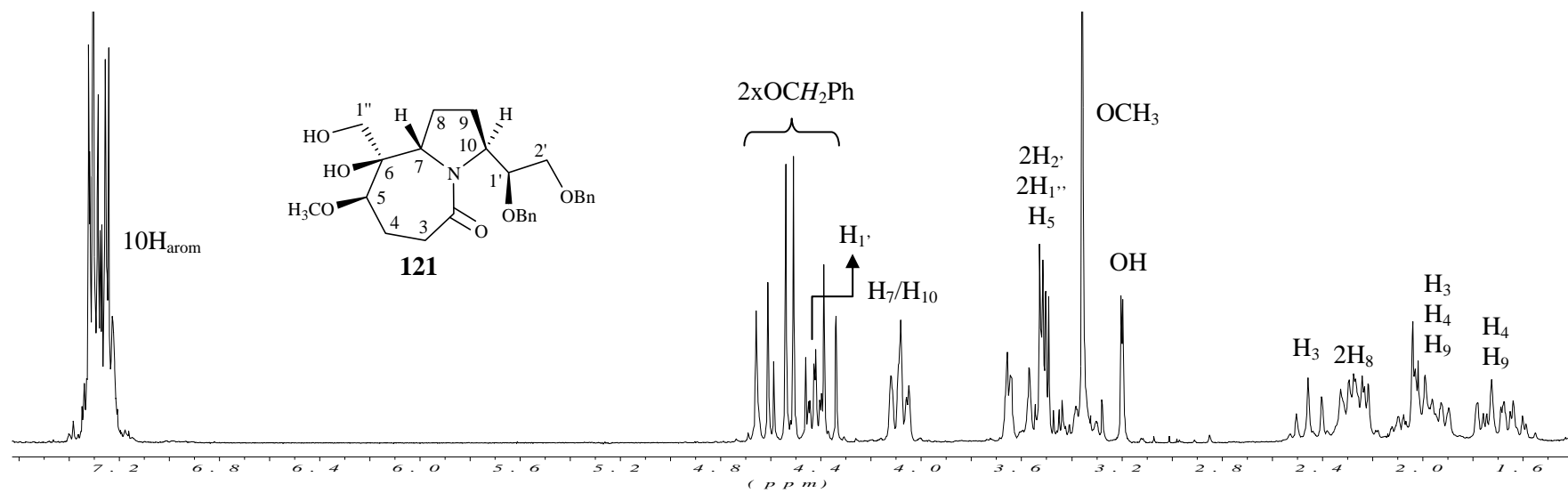
 $^1\text{H-NMR}$ (400 MHz, CDCl_3) de **113**. $^{13}\text{C-NMR}$ (62.5 MHz, CDCl_3) de **113**.

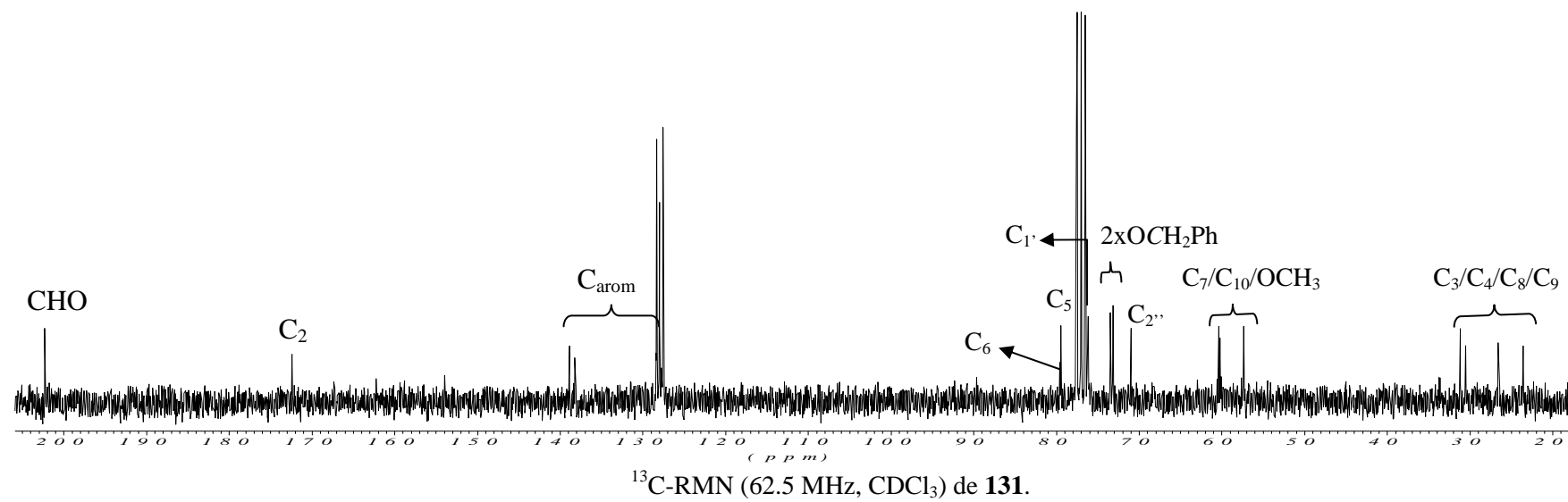
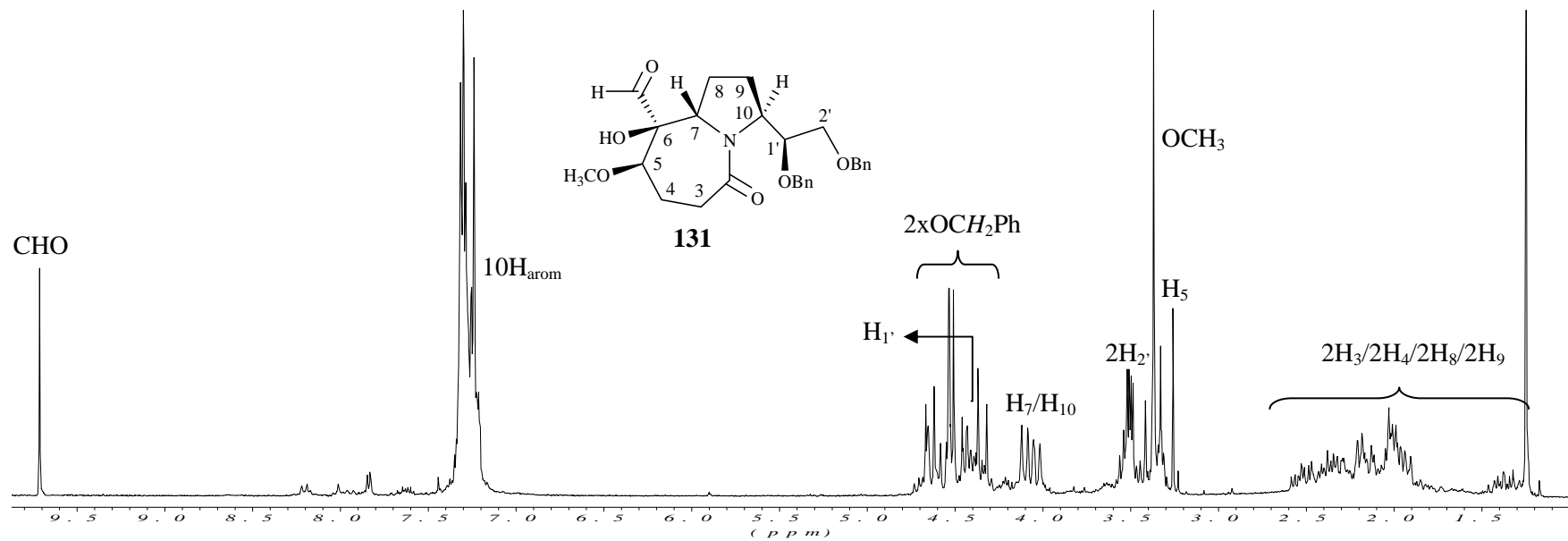
 1H -RMN (250 MHz, $CDCl_3$) de **119**. ^{13}C -RMN (62.5 MHz, $CDCl_3$) de **119**.

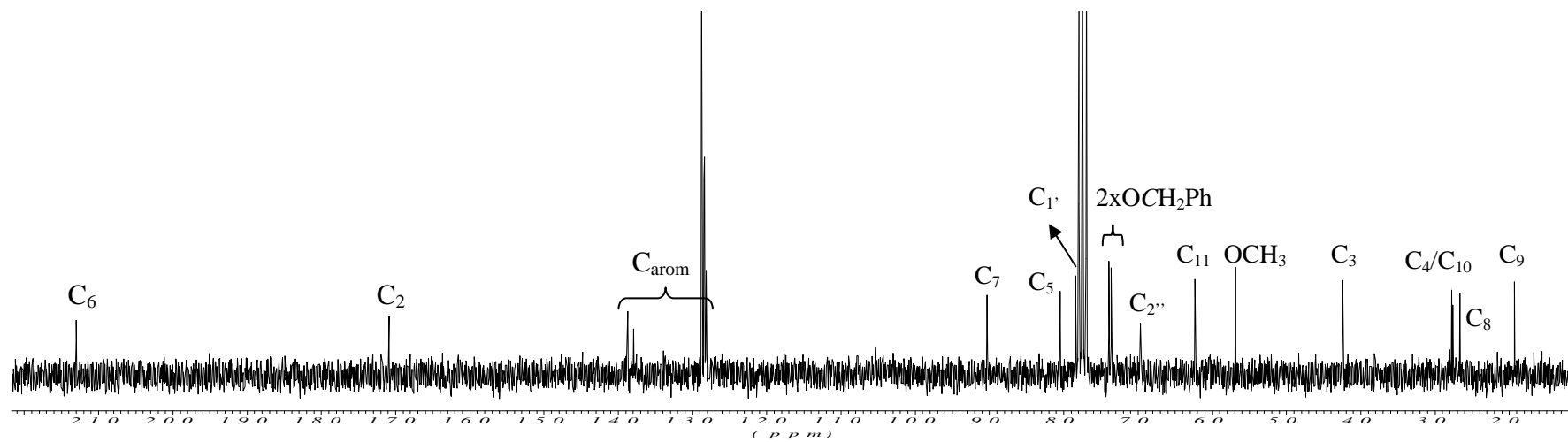
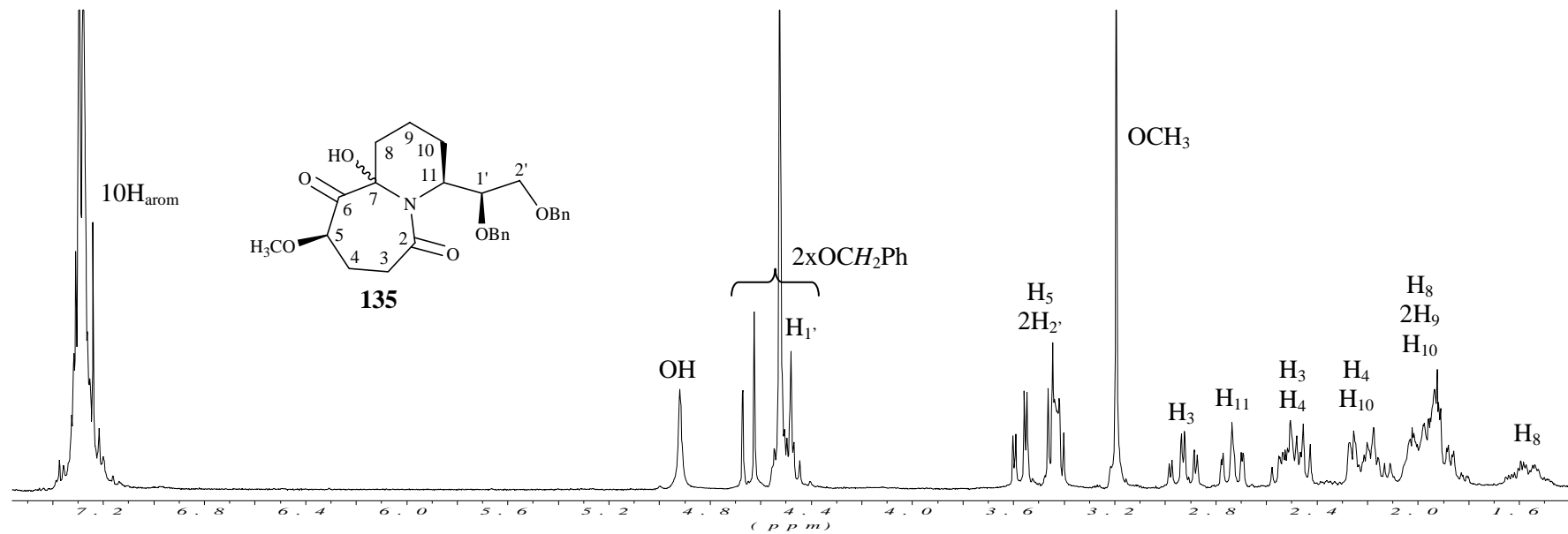
 1H -RMN (250 MHz, $CDCl_3$) de **126**. ^{13}C -RMN (62.5 MHz, $CDCl_3$) de **126**.

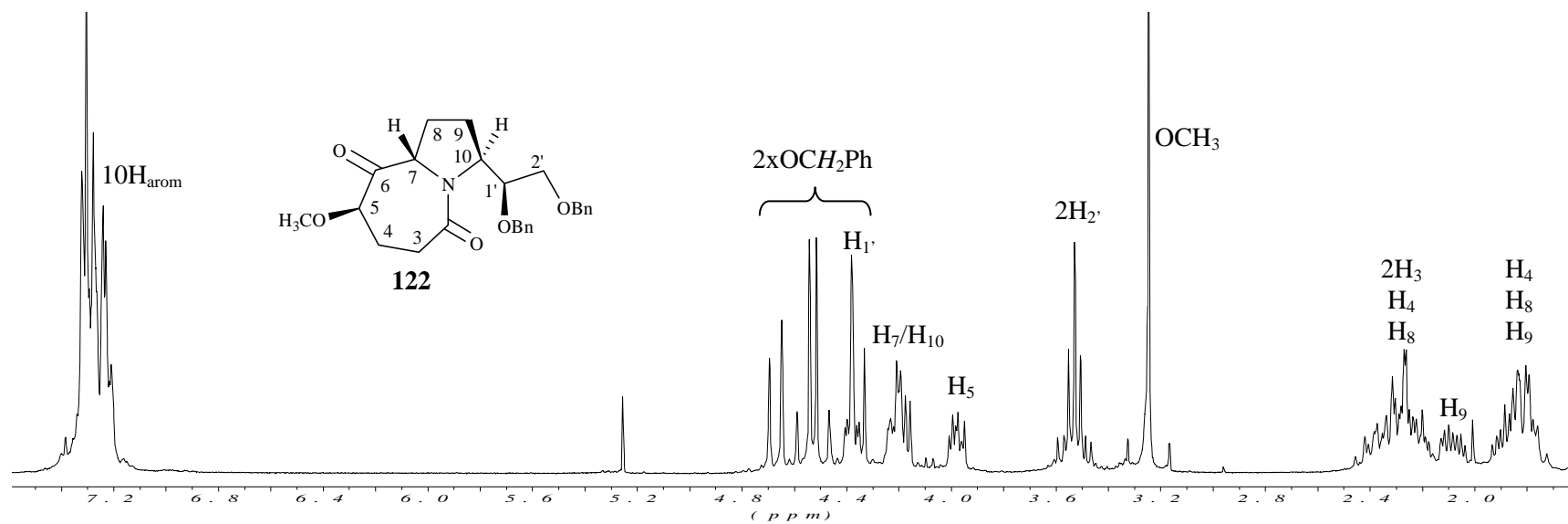
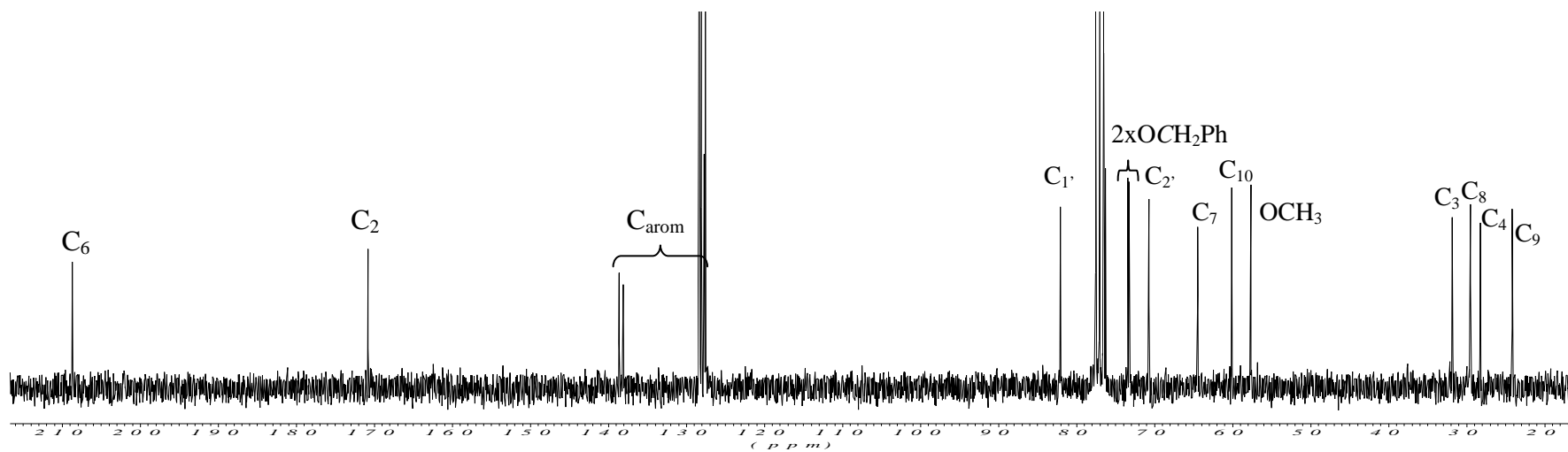


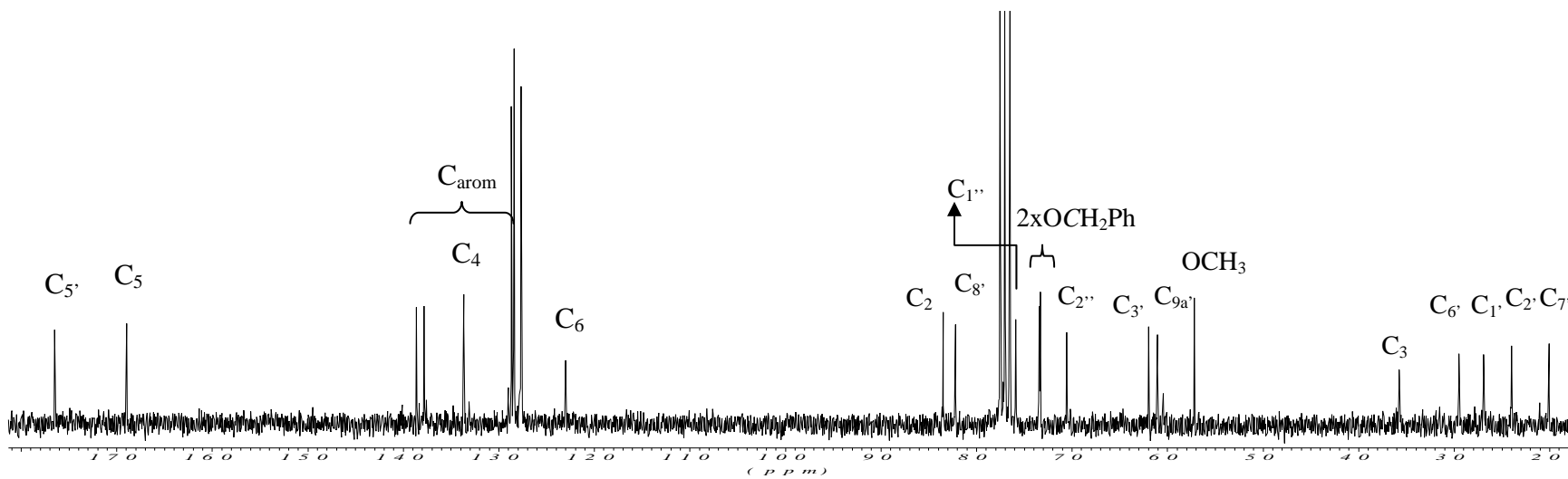
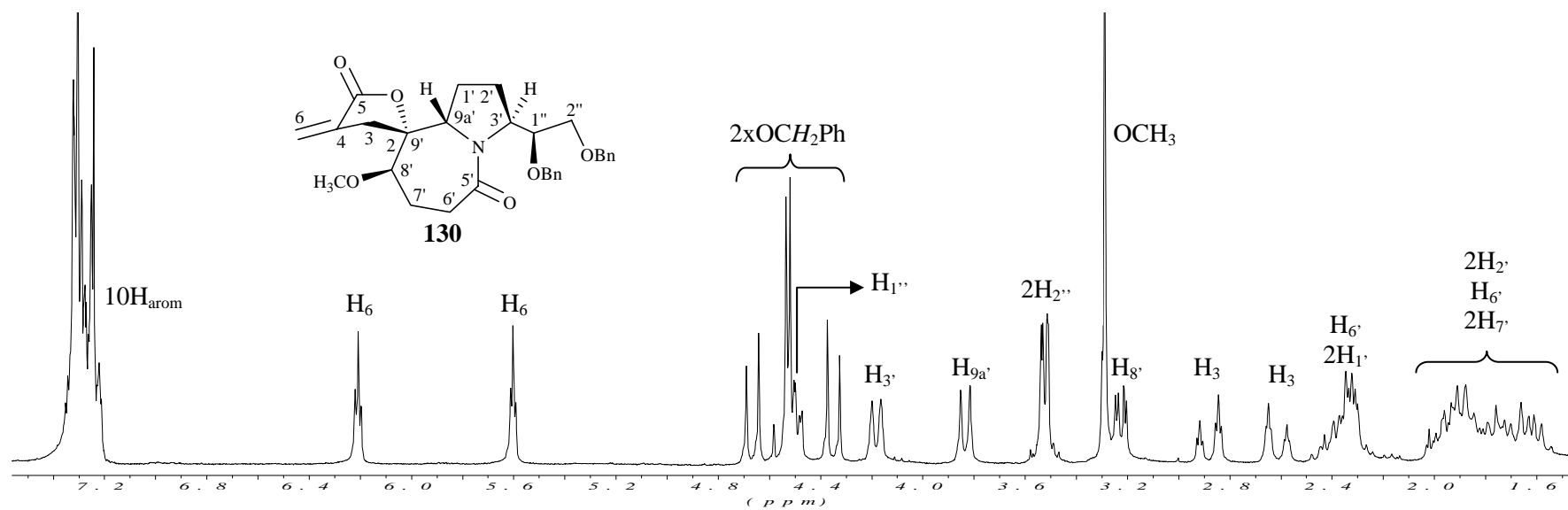


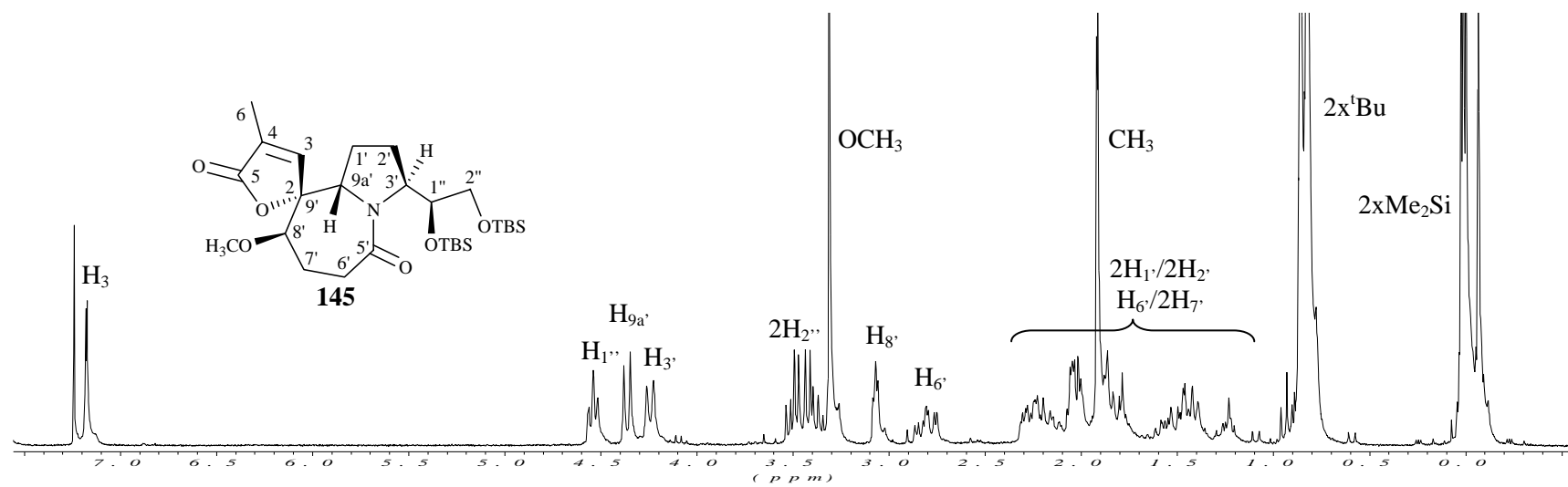
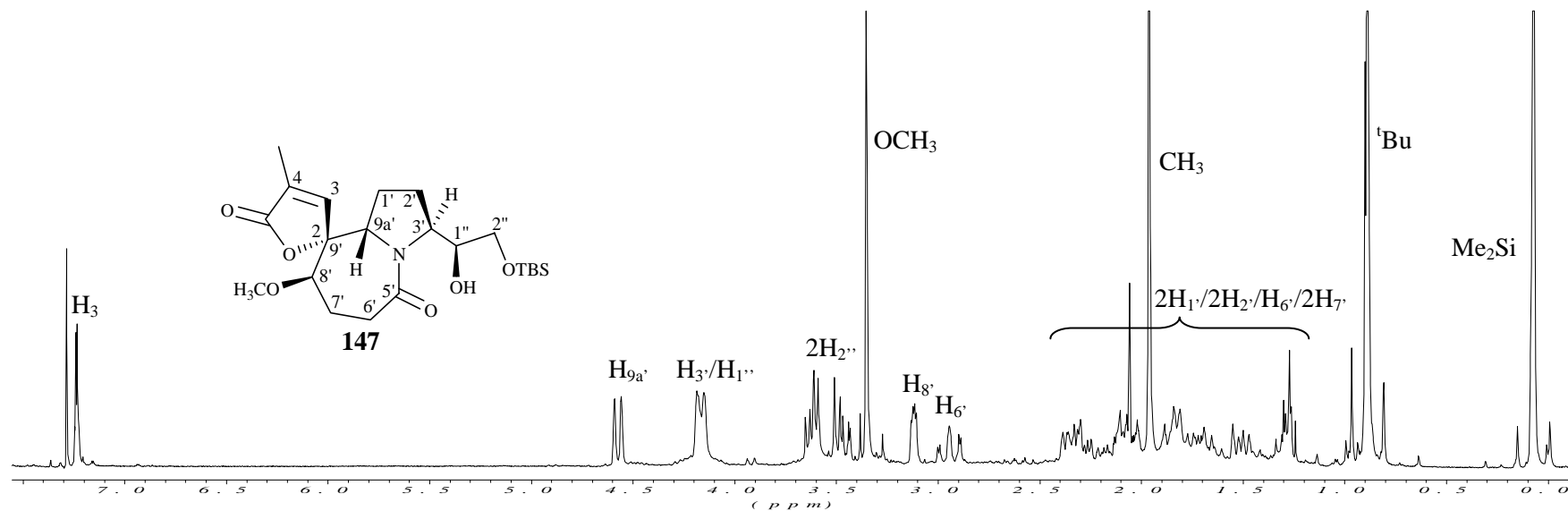


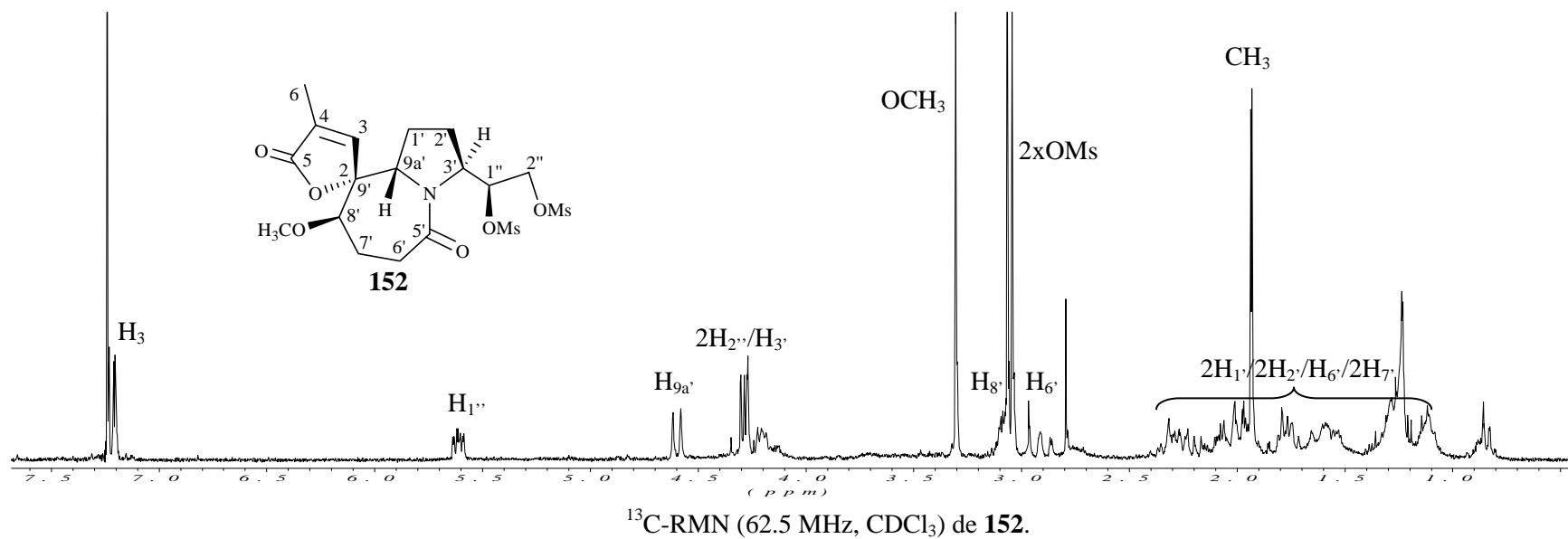
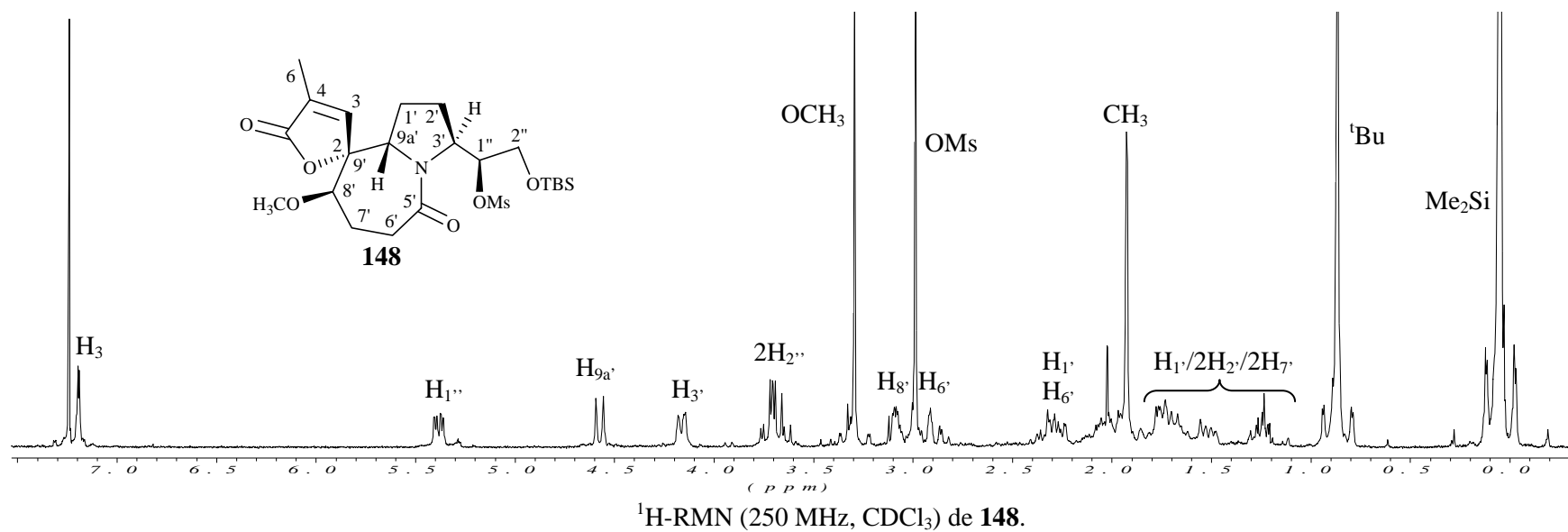


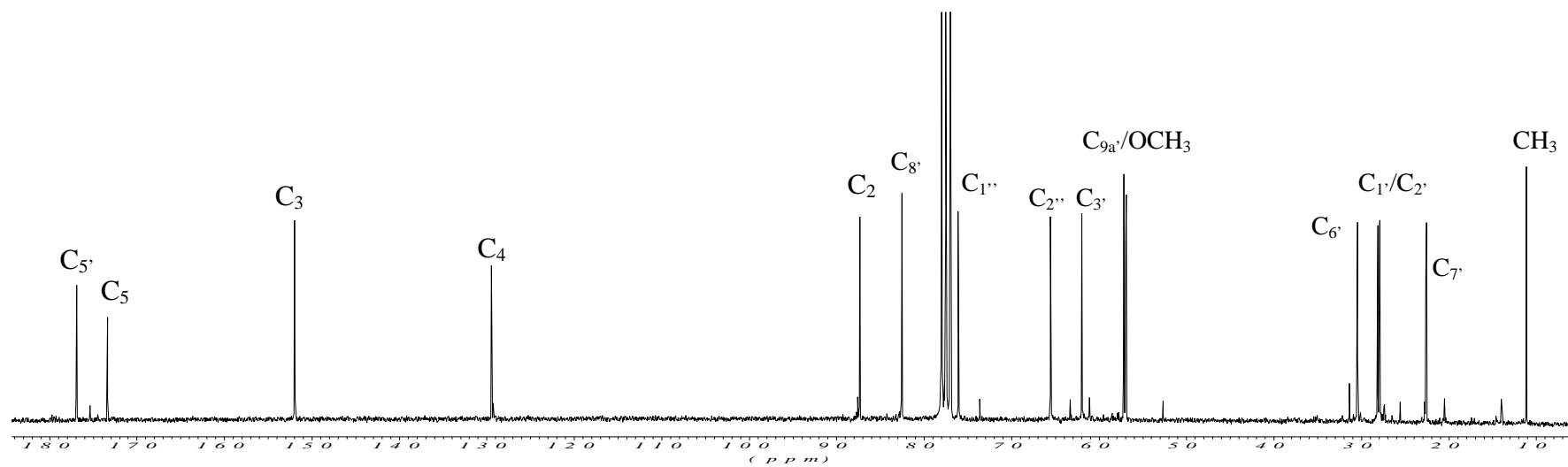
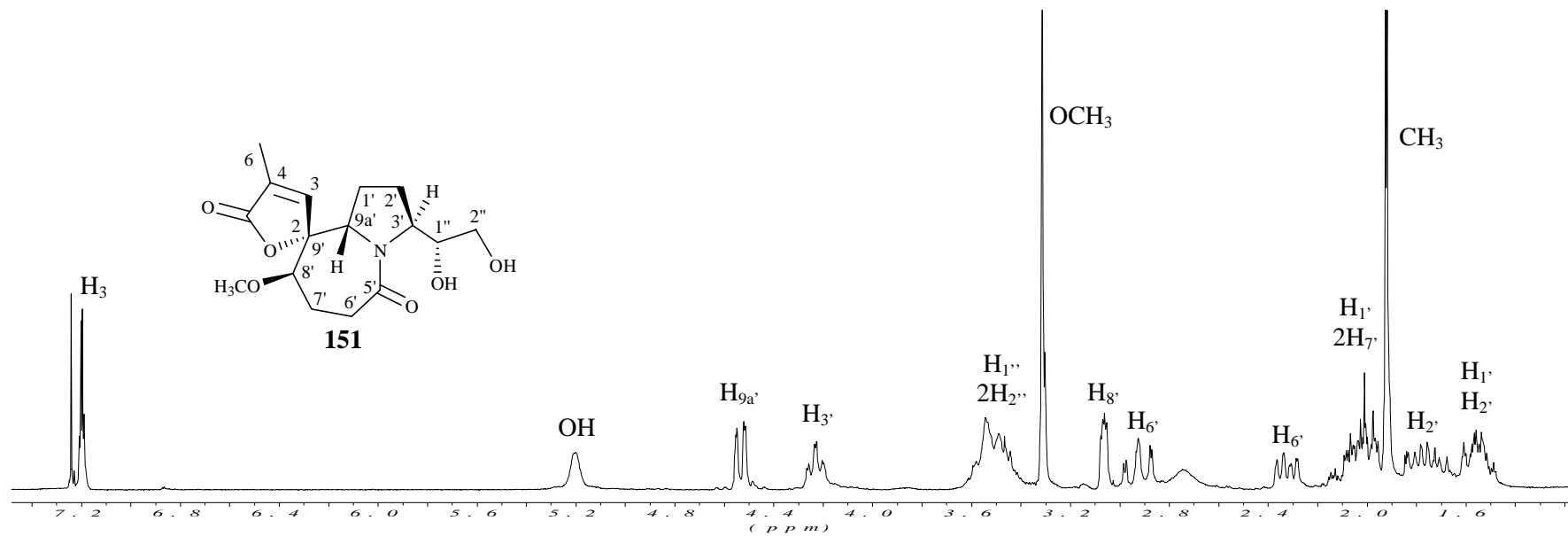


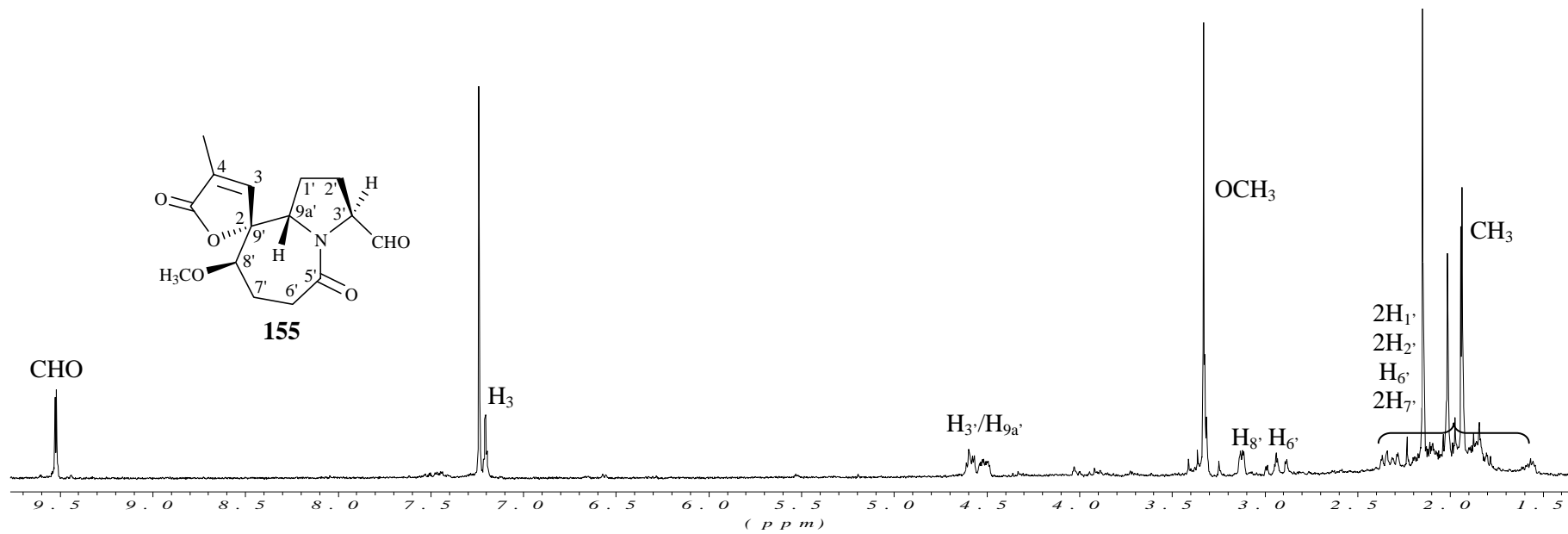
 1H -RMN (250 MHz, $CDCl_3$) de **122**. ^{13}C -RMN (62.5 MHz, $CDCl_3$) de **122**.









 ^1H -RMN (250 MHz, CDCl_3) de **155**.

