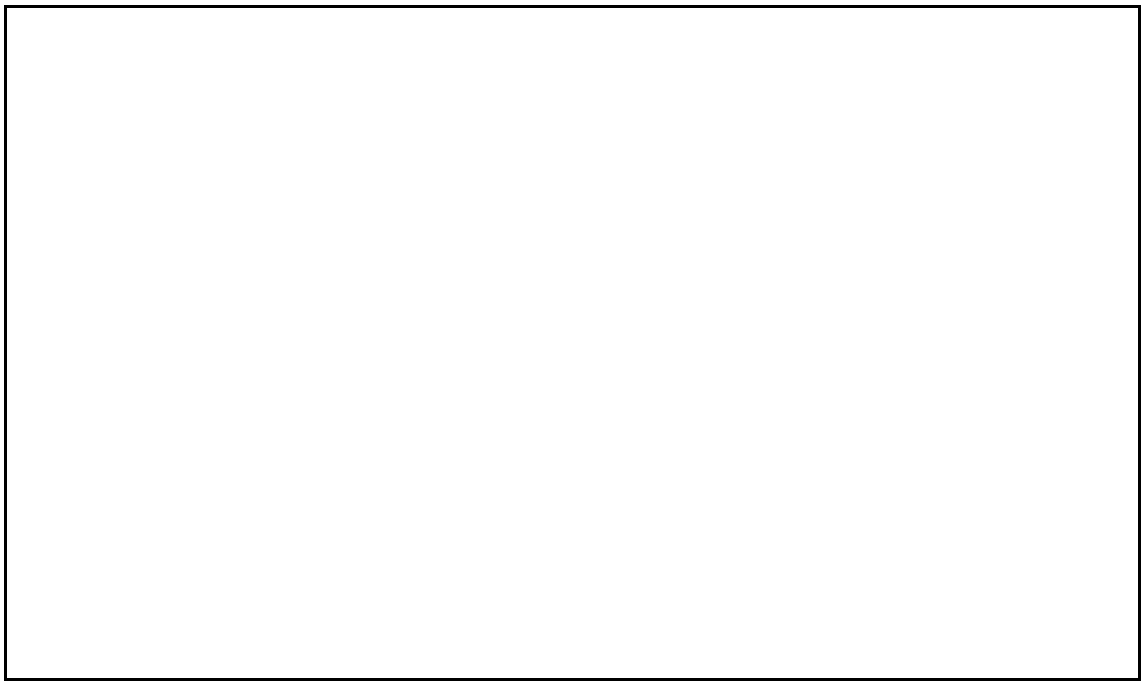
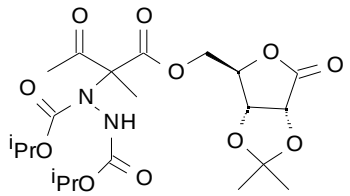
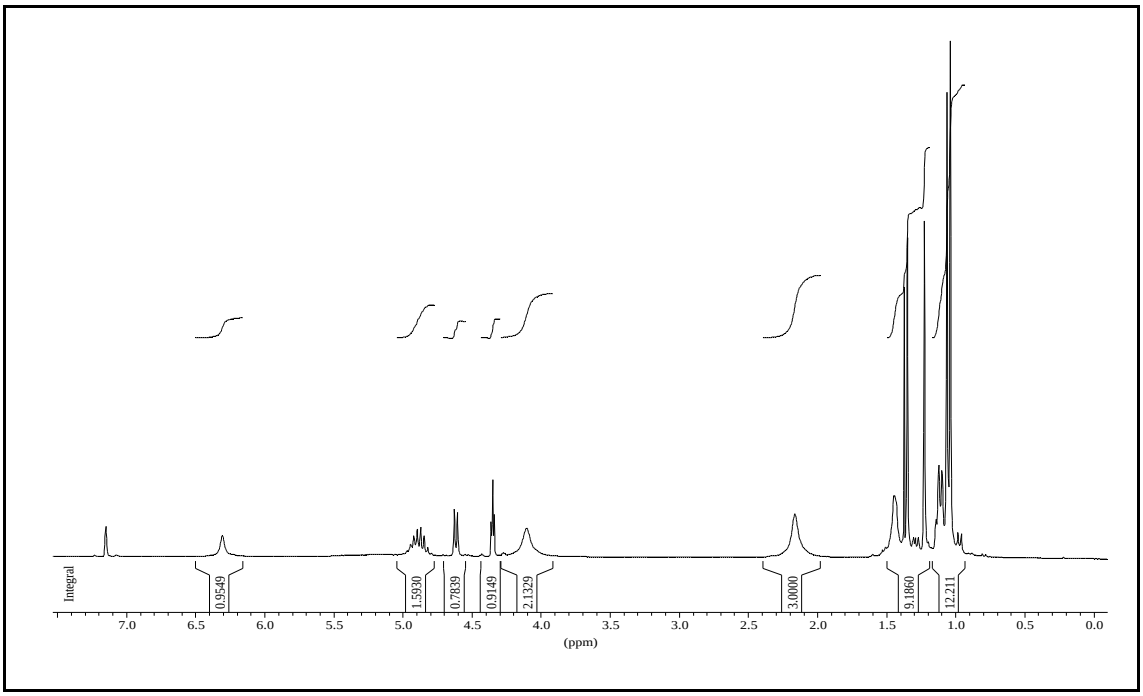
IR (KBr) ν (cm^{-1})



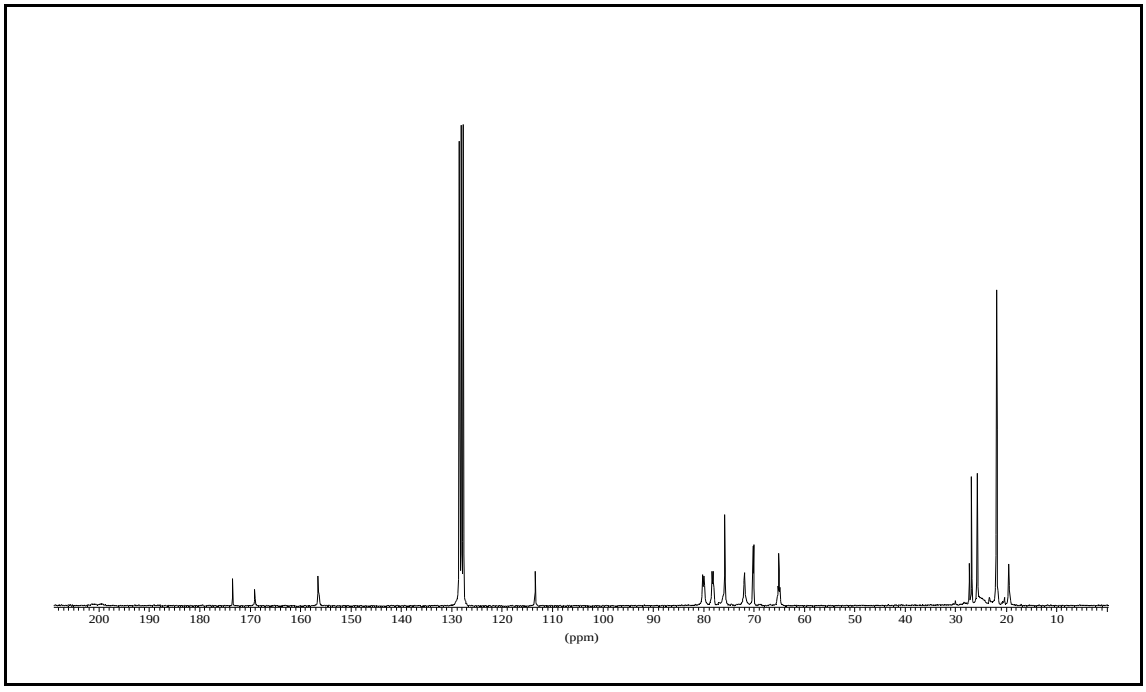
2-(***N***,***N***'-bis(Isopropiloxicarbonil)hidrazino)-2-metil-3-oxo-butanoat de 2,3-***O***-isopropiliden-γ-D-ribonolactona, diastereoisòmer majoritari, **28**



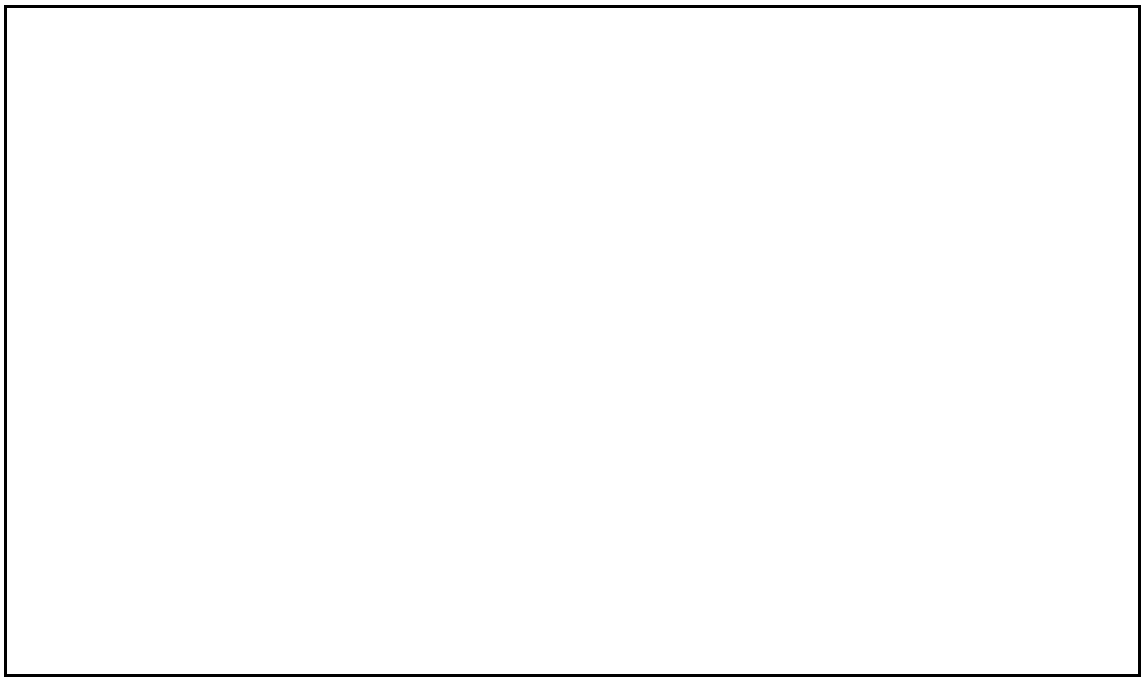
^{1}H-RMN (250 MHz, C_6D_6) T = 336 K δ (ppm)



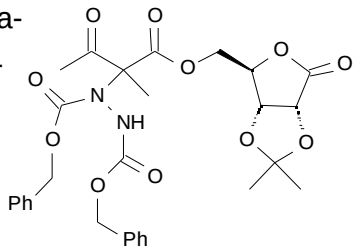
^{13}C-RMN (62.9 MHz, C_6D_6) T = 336 K δ (ppm)



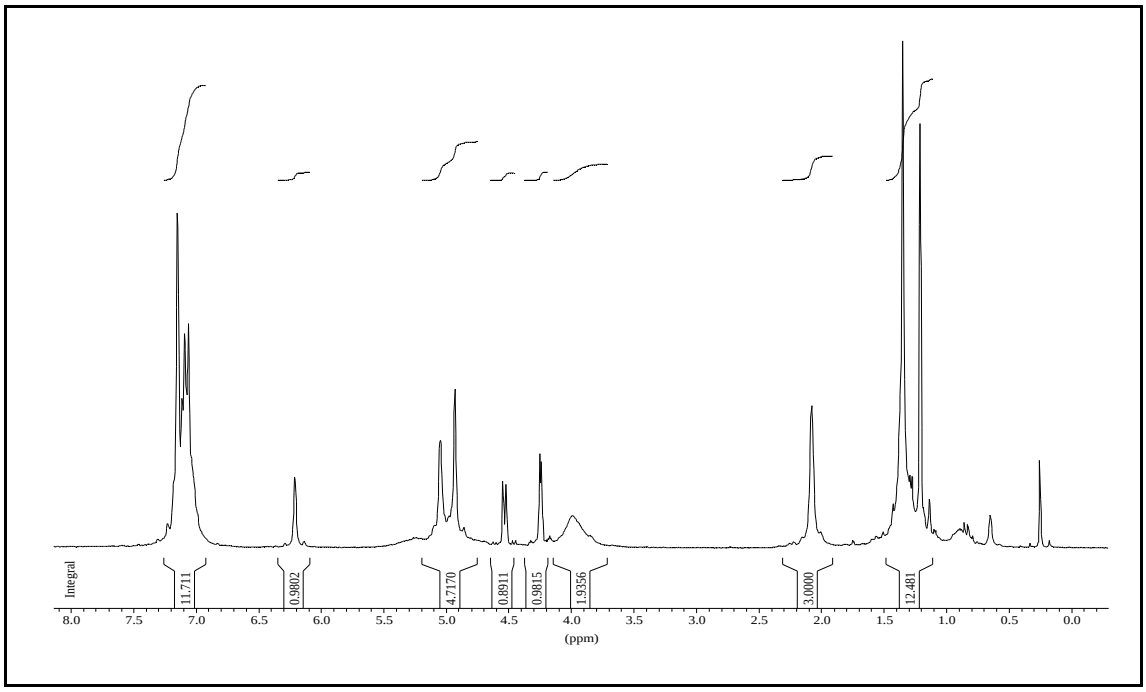
IR (KBr) ν (cm^{-1})



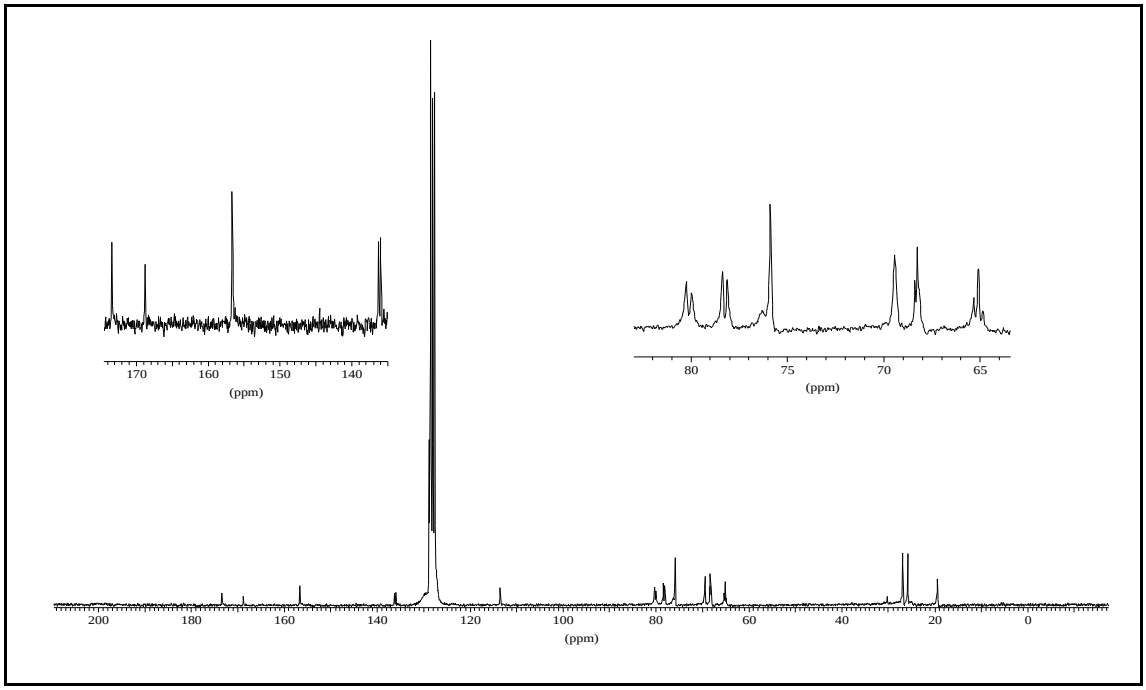
2-(***N***,***N***'-bis(Benziloxicarbonil)hidrazino)-2-metil-3-oxobutanoat de 2,3-***O***-isopropiliden-γ-D-ribonolactona, diastereoisòmer majoritari, **29**



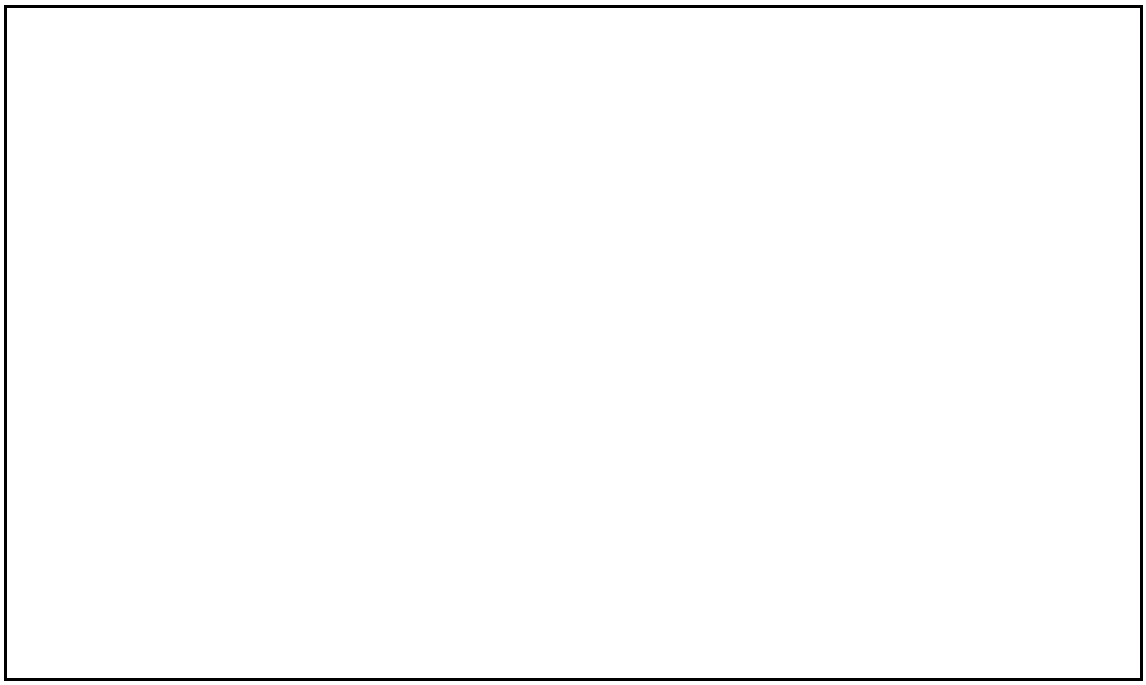
^{1}H-RMN (250 MHz, C_6D_6) T = 336 K δ (ppm)



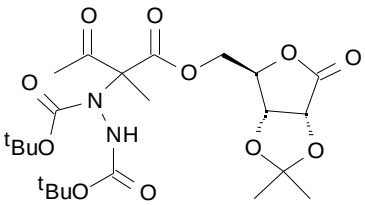
^{13}C-RMN (62.9 MHz, C_6D_6) T = 336 K δ (ppm)



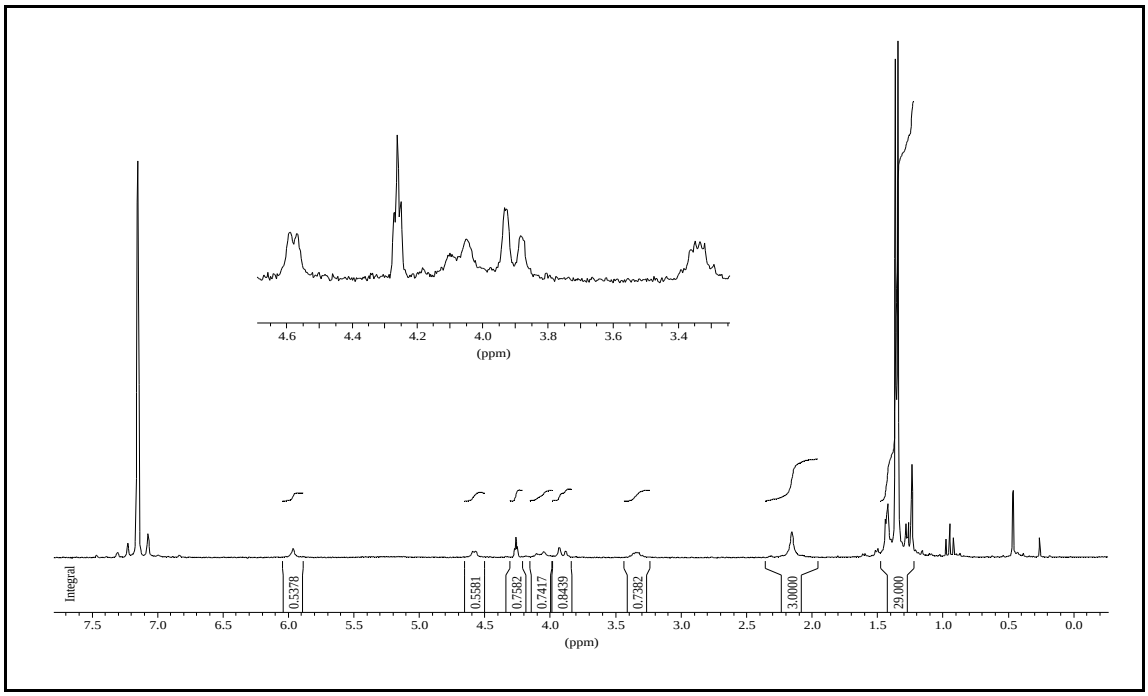
IR (KBr) ν (cm^{-1})



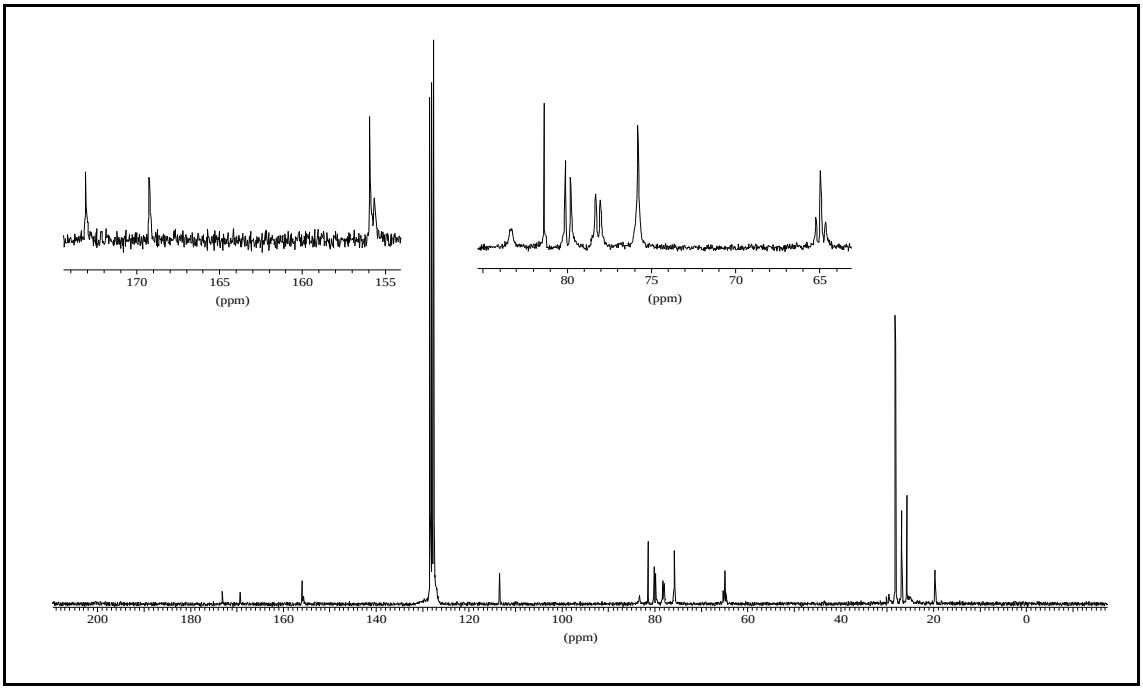
2-(***N***,***N***'-bis(***tert***Butoxicarbonil)hidrazino)-2-metil-3-oxobutanoat de 2,3-***O***-isopropiliden-γ-D-ribonolactona, diastereoisòmer majoritari, **34**



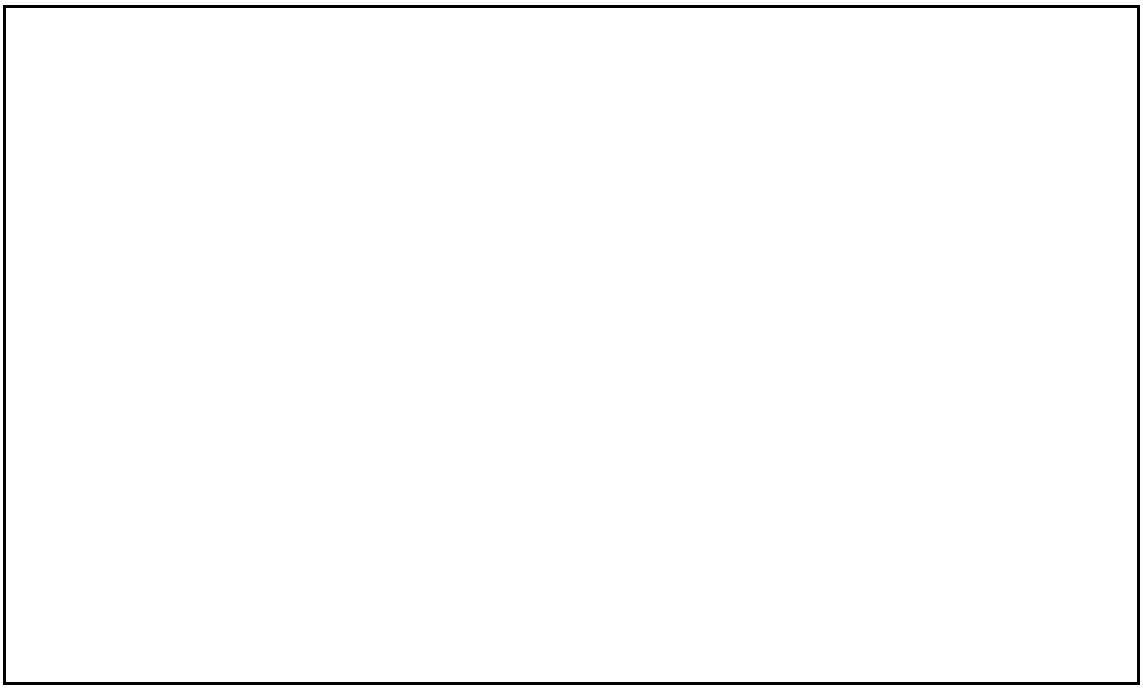
^{1}H-RMN (250 MHz, $CDCl_3$) T = 336 K δ (ppm)



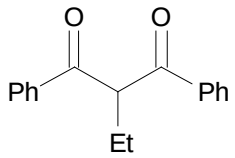
^{13}C-RMN (62.9 MHz, C_6D_6) T = 336 K δ (ppm)



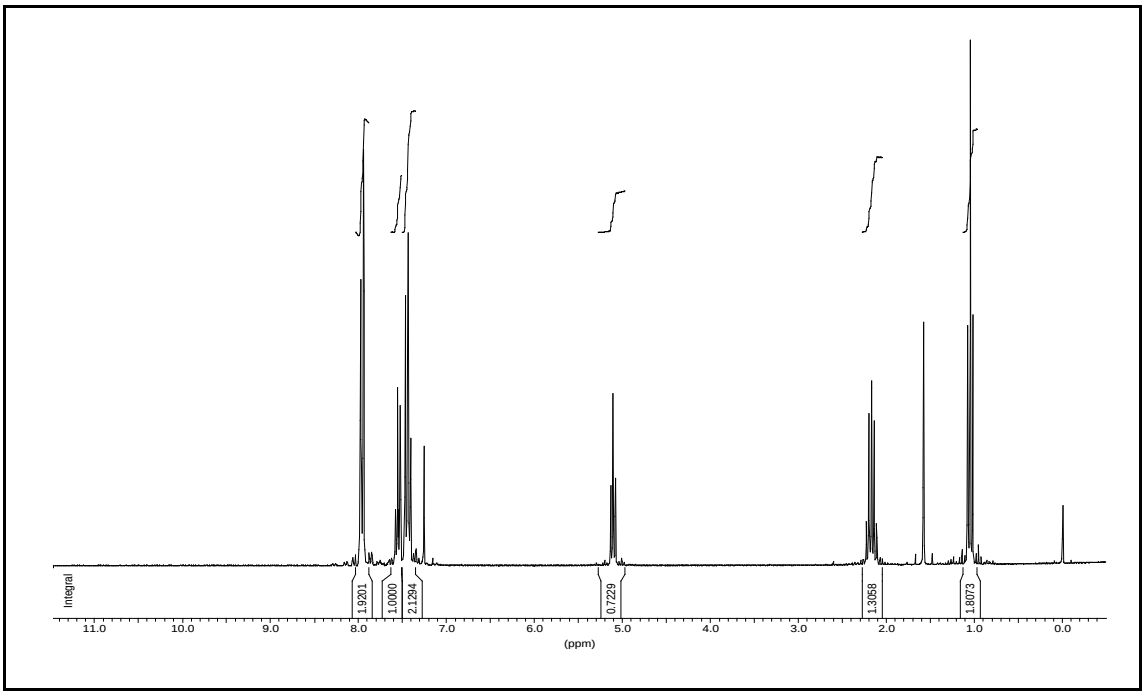
IR (KBr) ν (cm^{-1})



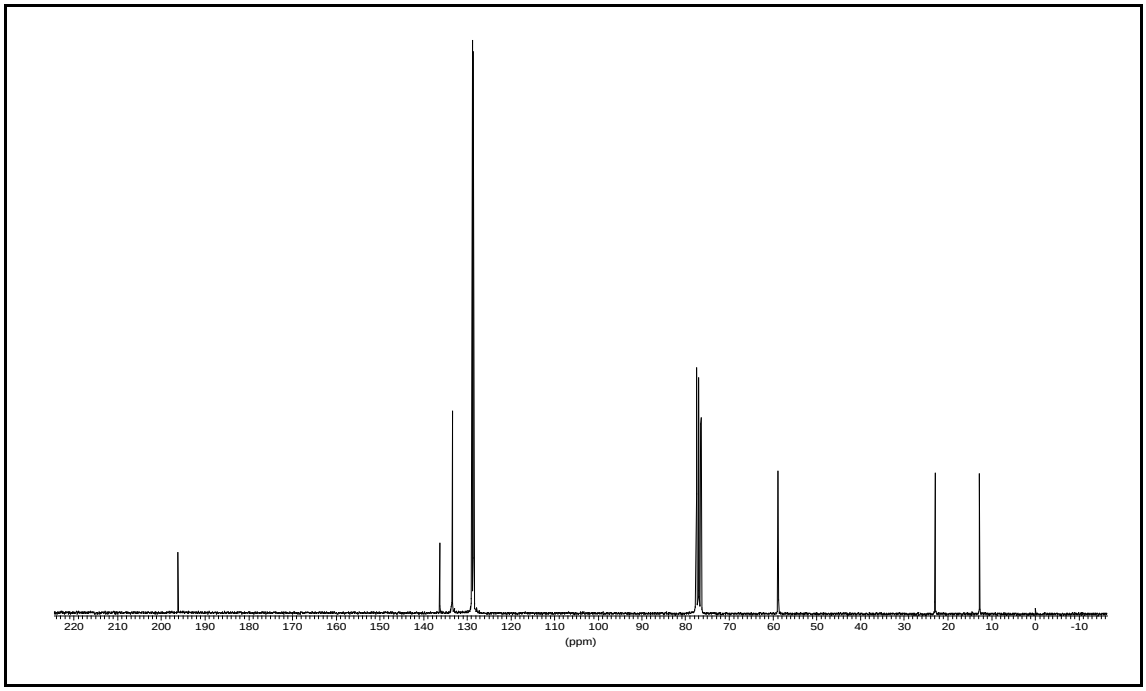
2-Etil-1,3-difenil-1,3-propanodiona, **35a**



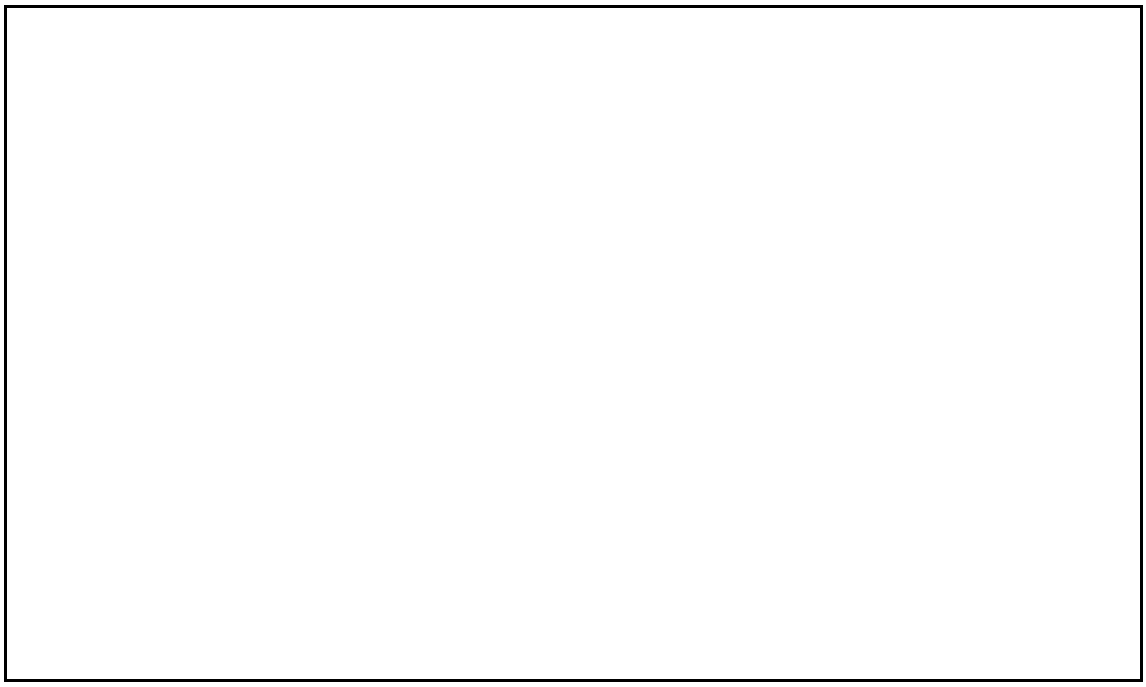
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



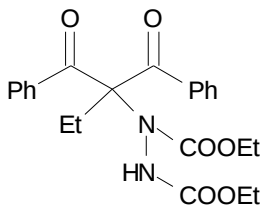
^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)



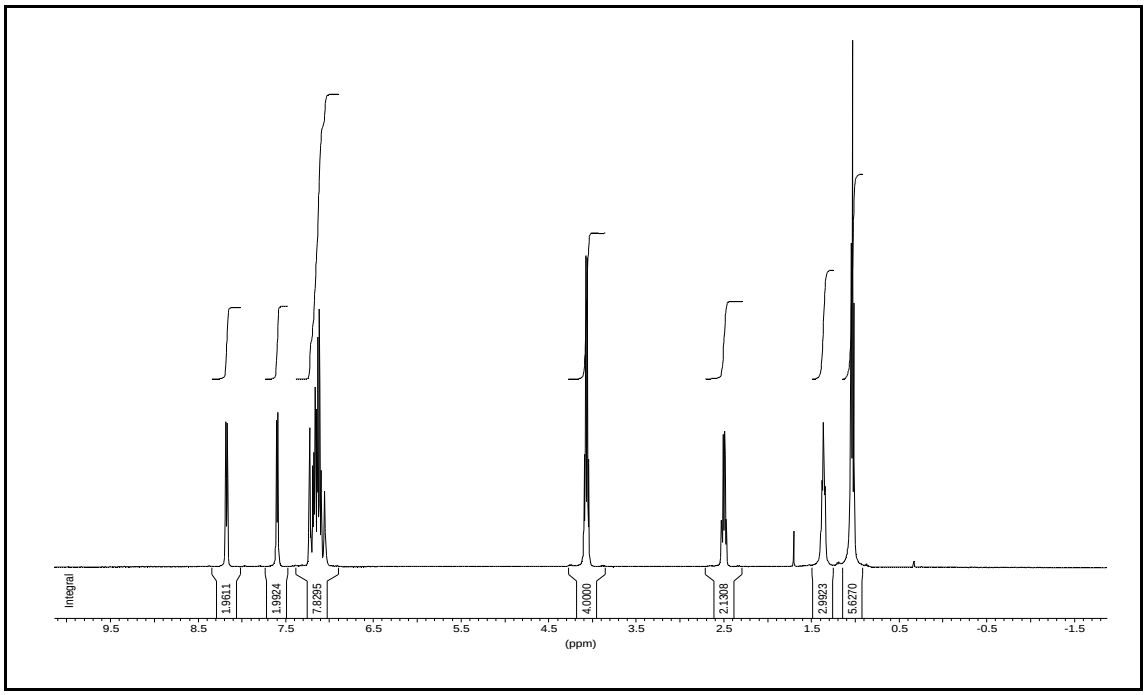
IR (KBr) ν (cm^{-1})



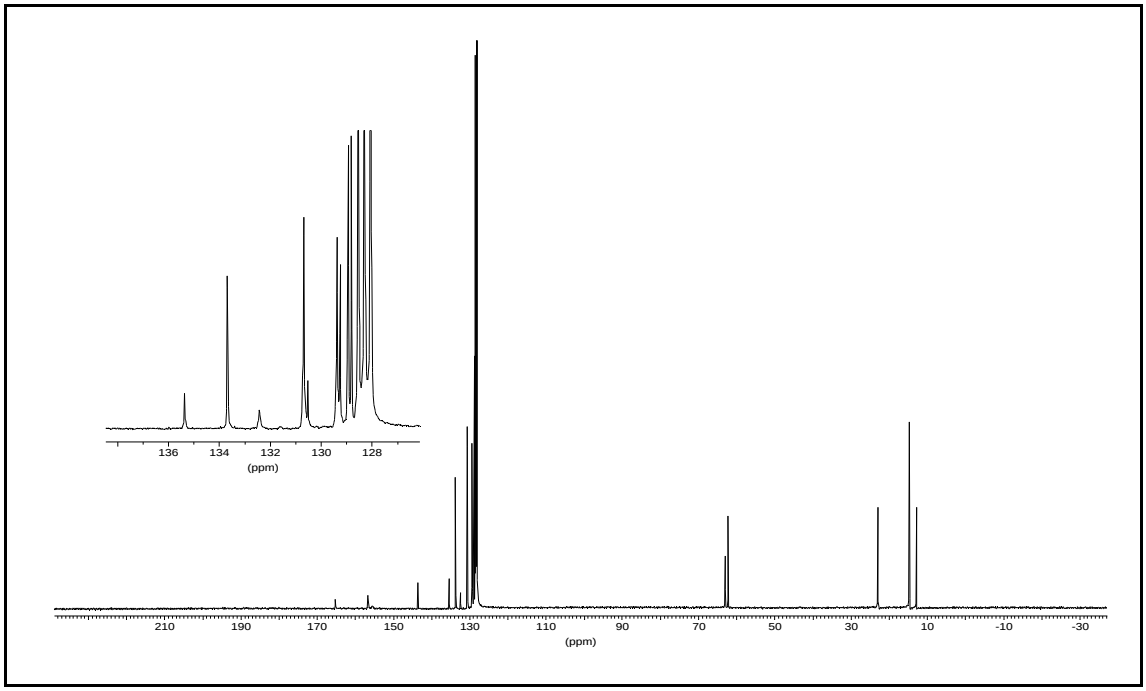
2-(***N***,***N***'-bis(Etoxicarbonil)hidrazino)-2-etil-1,3-difenil-1,3-propanodiona, **36**



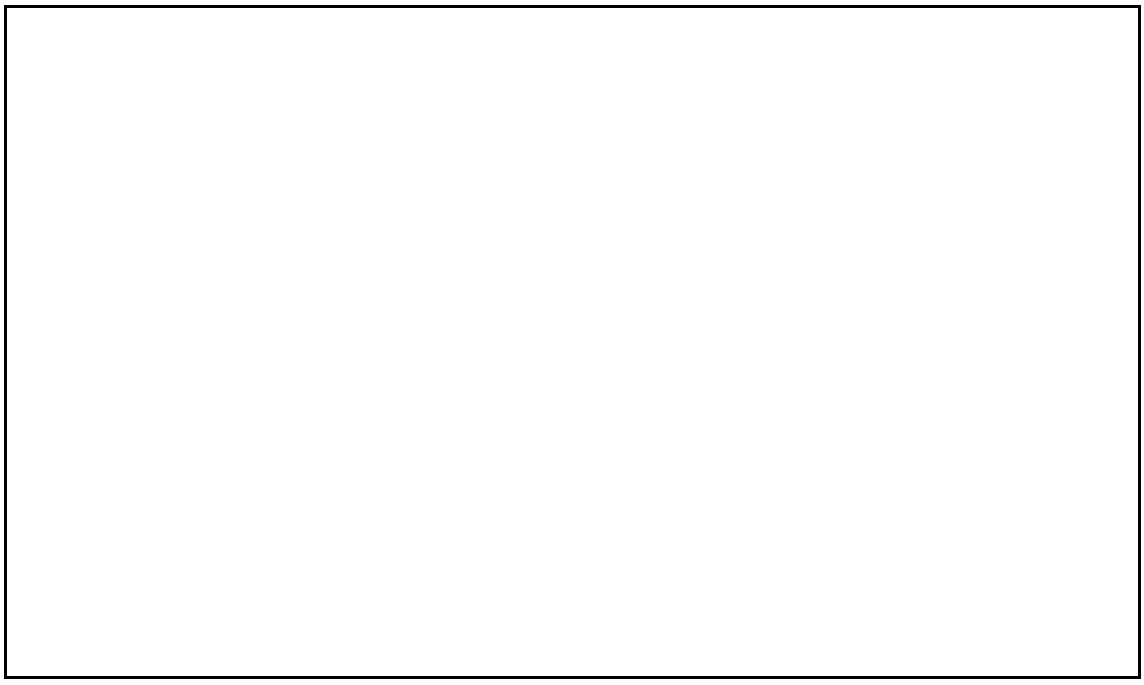
^{1}H-RMN (400 MHz, C_6D_6) T = 336 K δ (ppm)



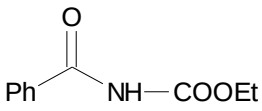
^{13}C-RMN (100 MHz, C_6D_6) T = 336 K δ (ppm)



IR (KBr) ν (cm^{-1})



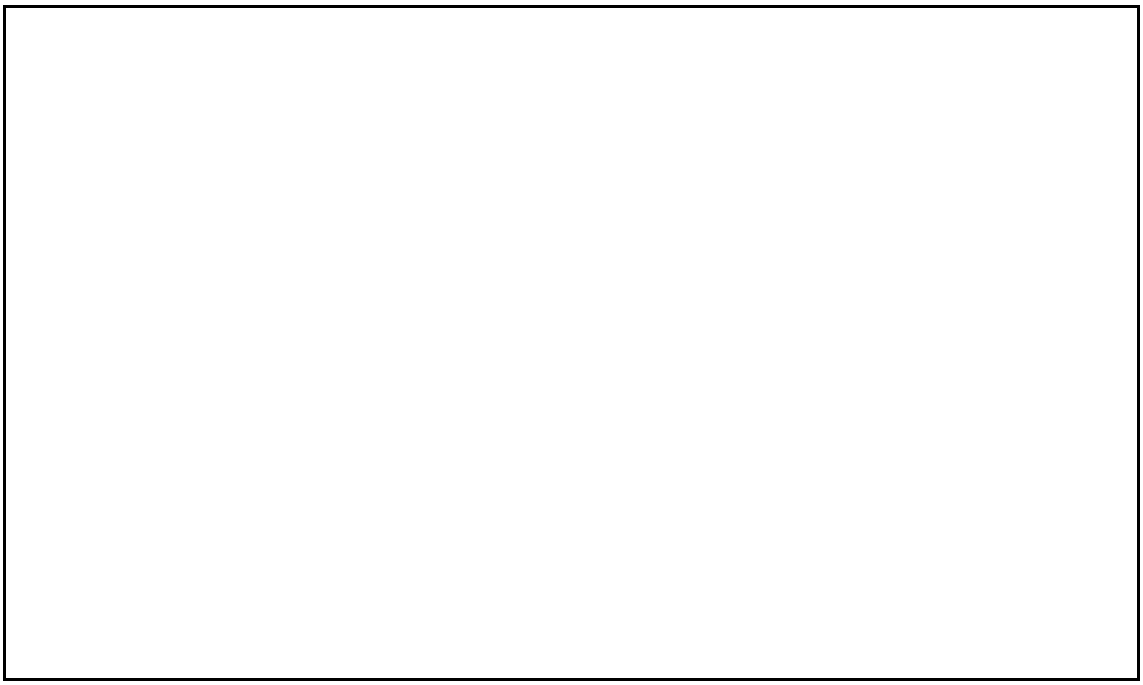
N-Etoxicarbonilbenzamida, **53**



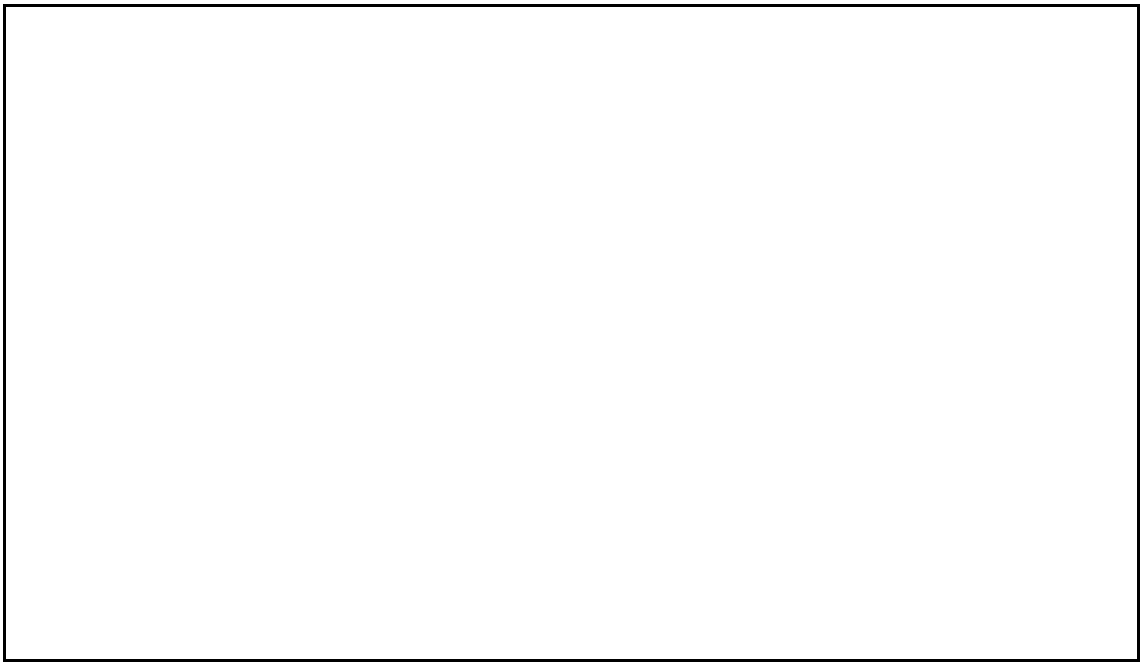
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)

^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)

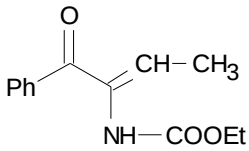
IR (KBr) ν (cm^{-1})



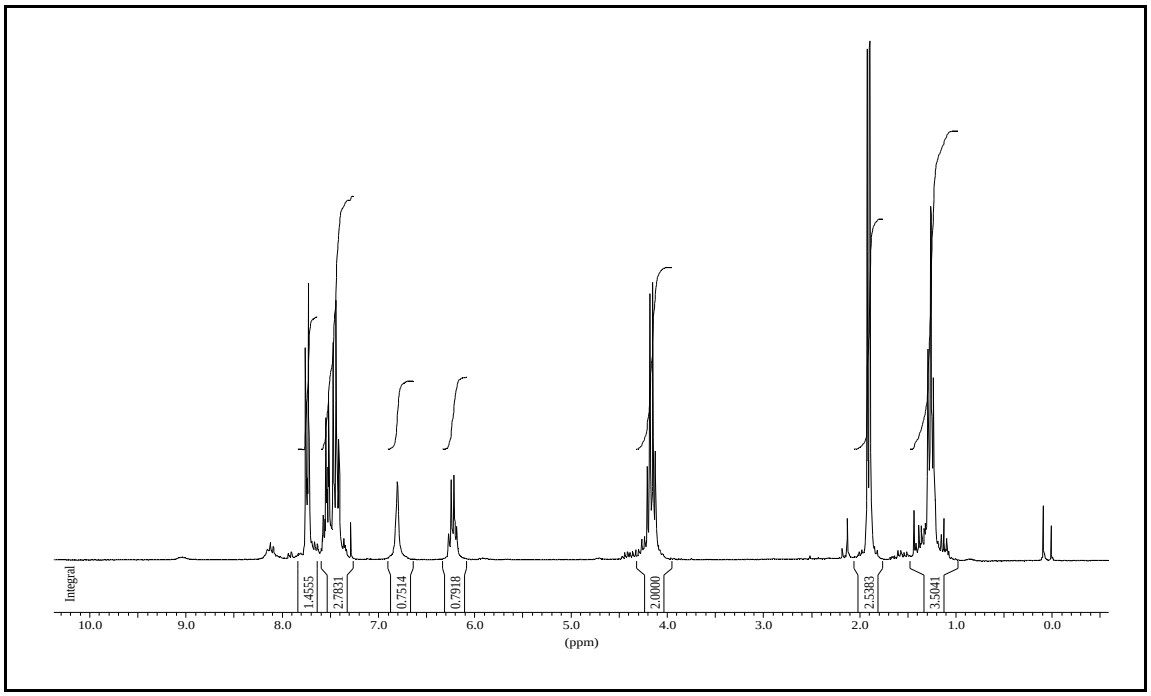
EM (m/z)



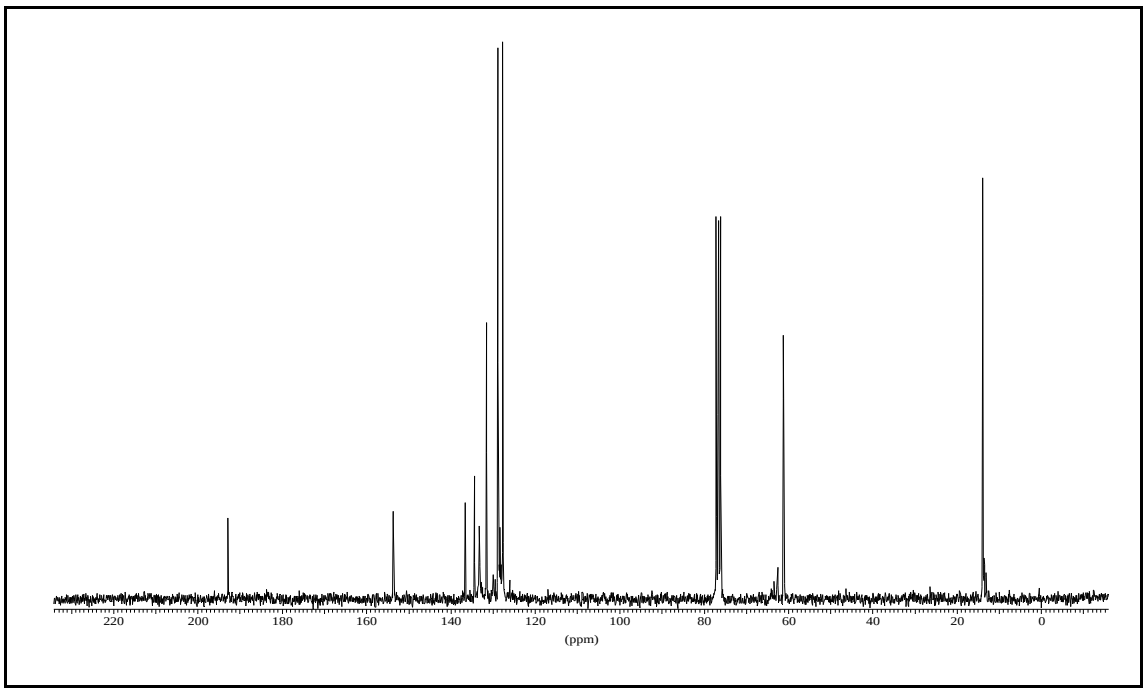
2-Etoxicarbonilamino-1-fenil-2-buten-1-ona, **54**



^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



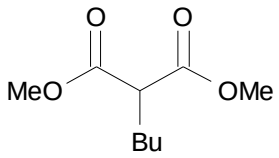
^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)



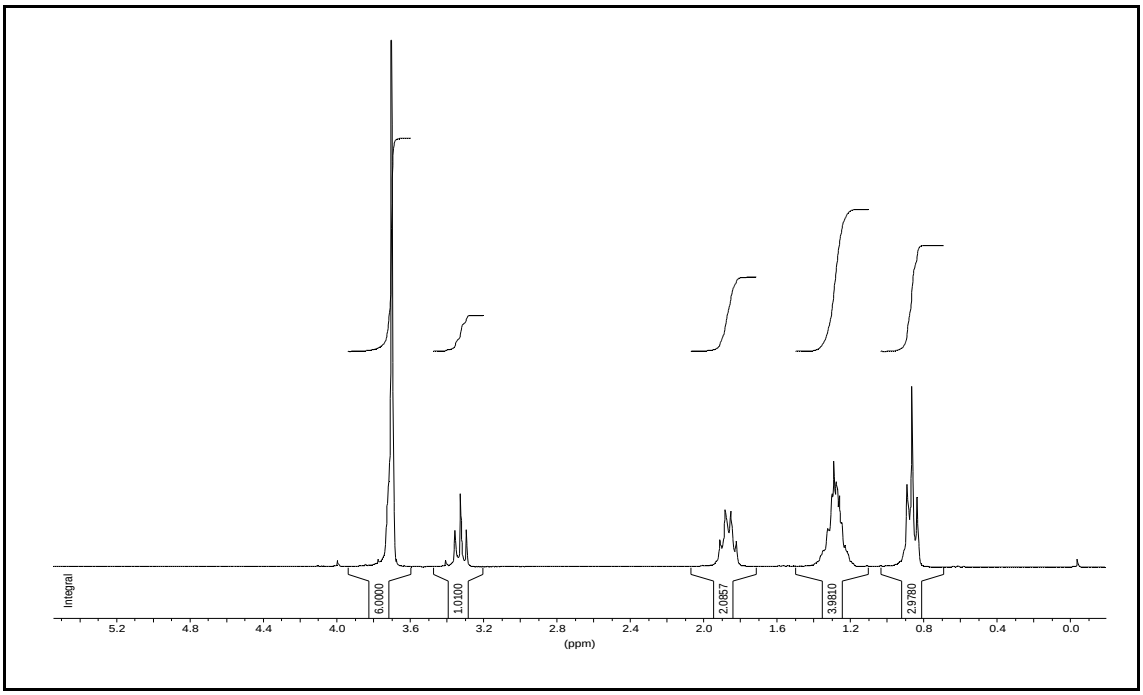
IR (film) ν (cm^{-1})

EM (m/z)

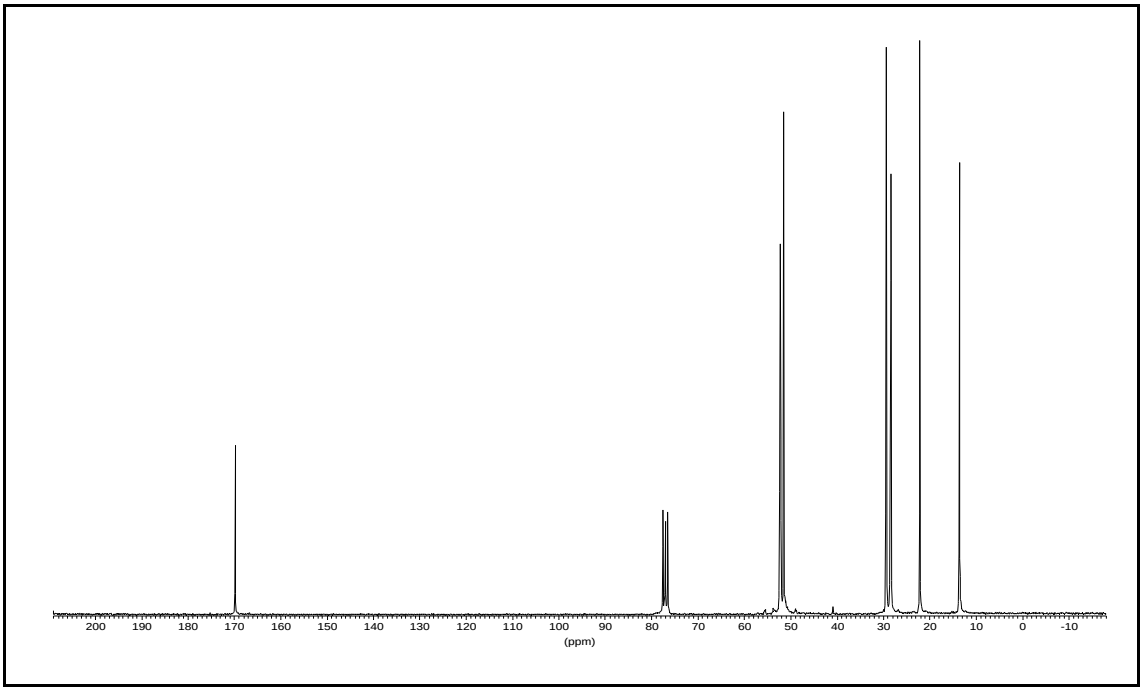
2-Butilmalonat de dimetil, **10b**



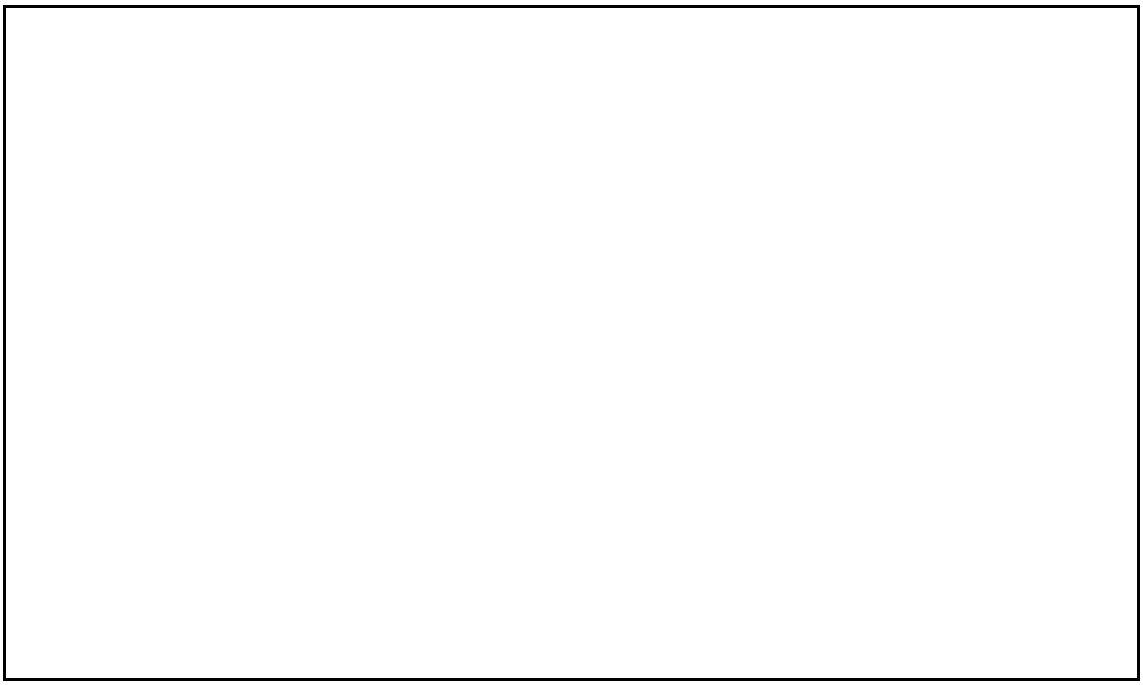
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



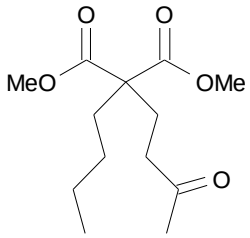
^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)



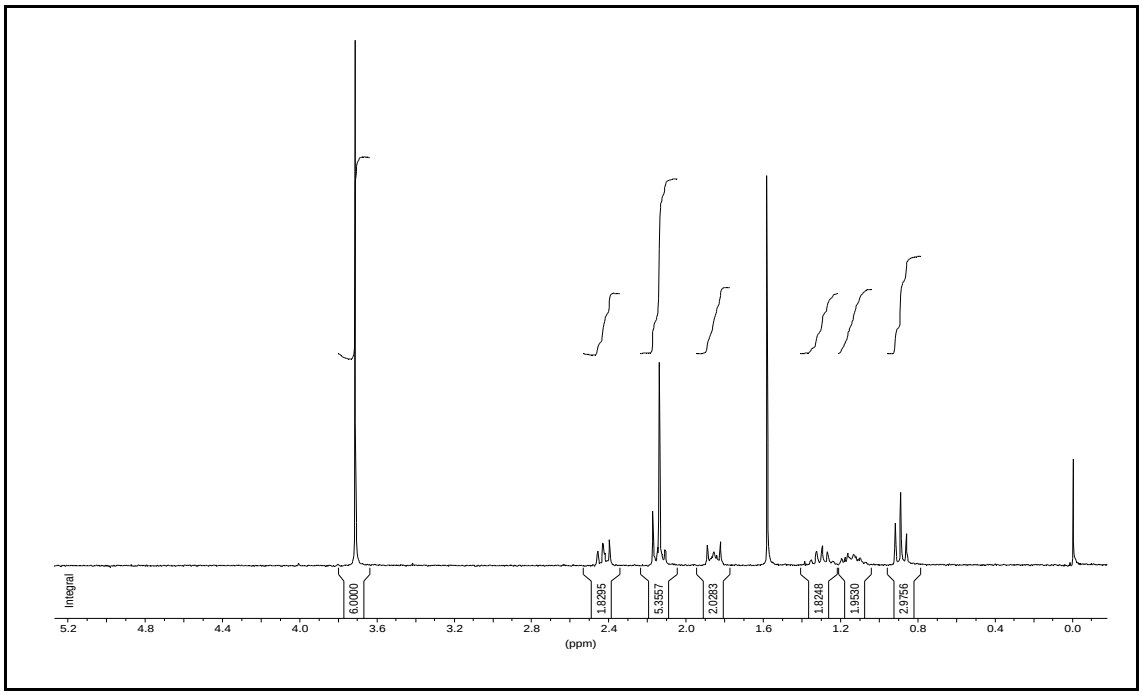
IR (film) ν (cm^{-1})



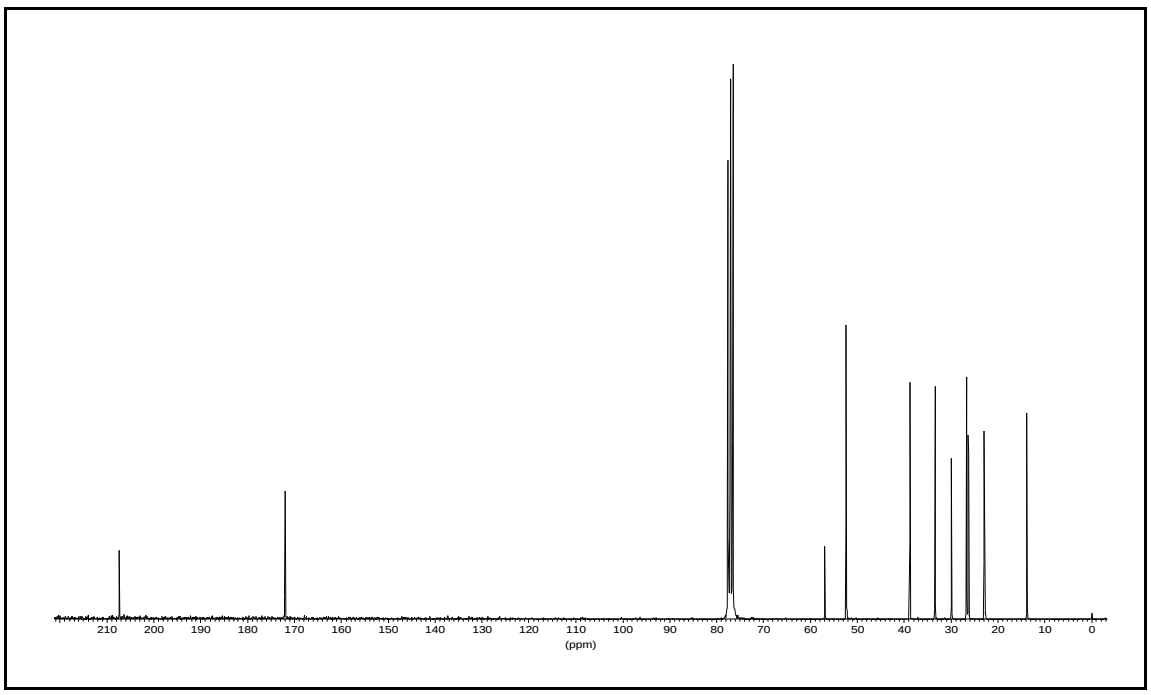
2-Butil-2-(3-oxobutil)malonat de dimetil, **37**



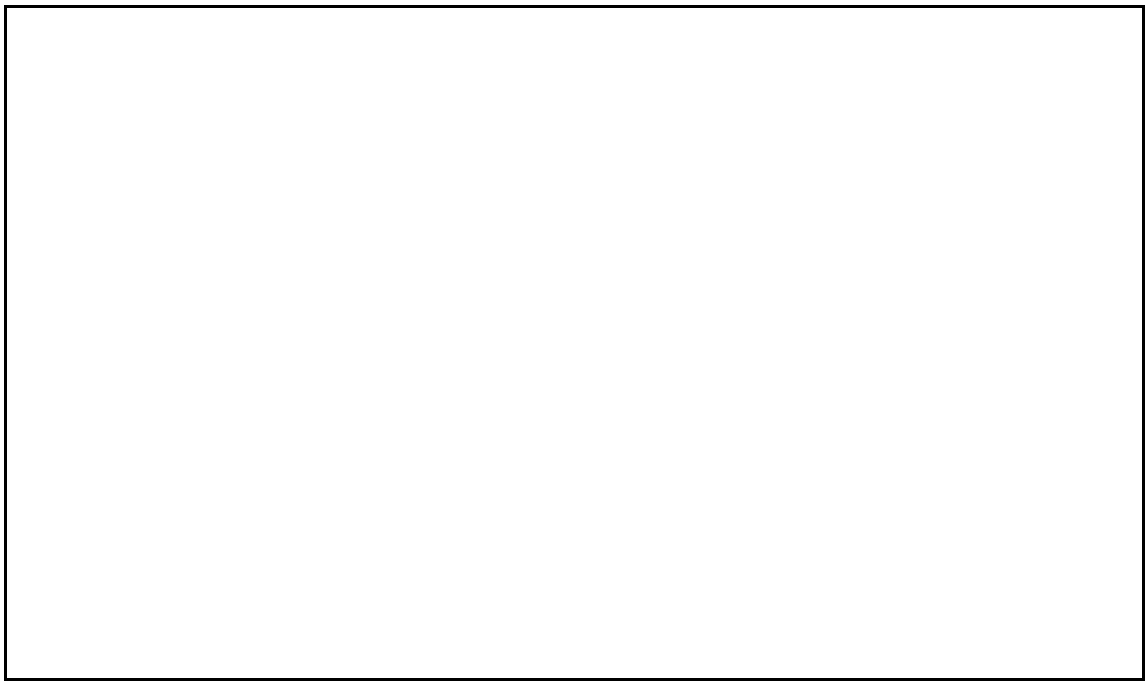
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



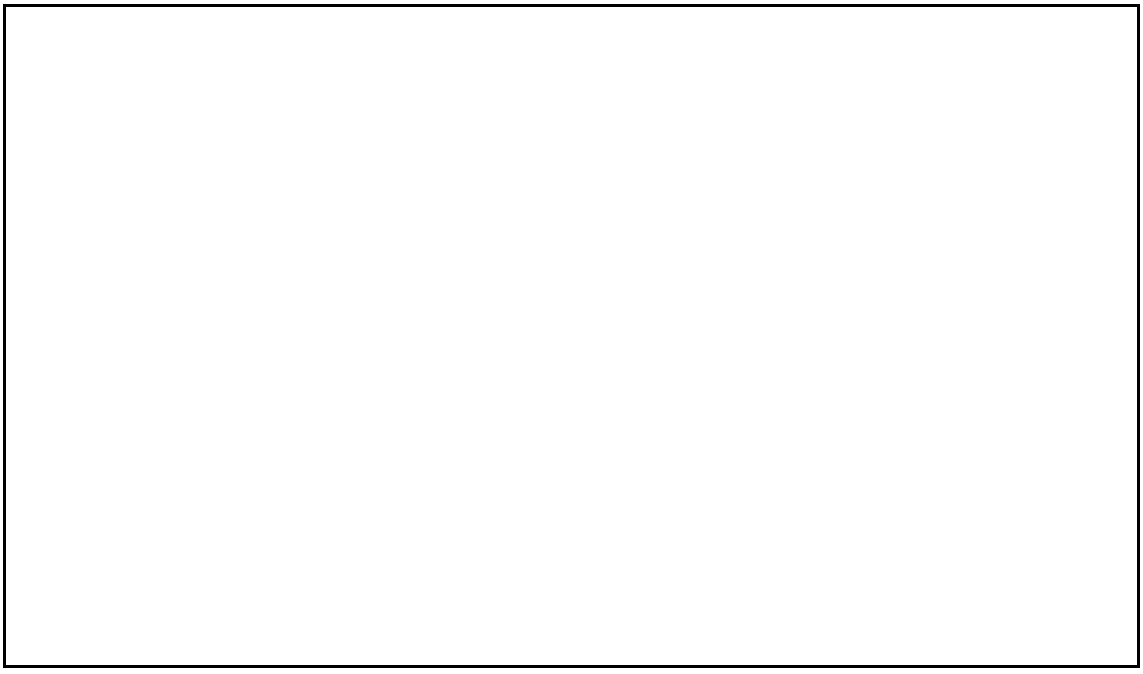
^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)



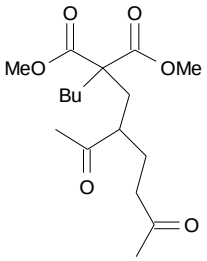
IR (KBr) ν (cm^{-1})



EM (m/z)



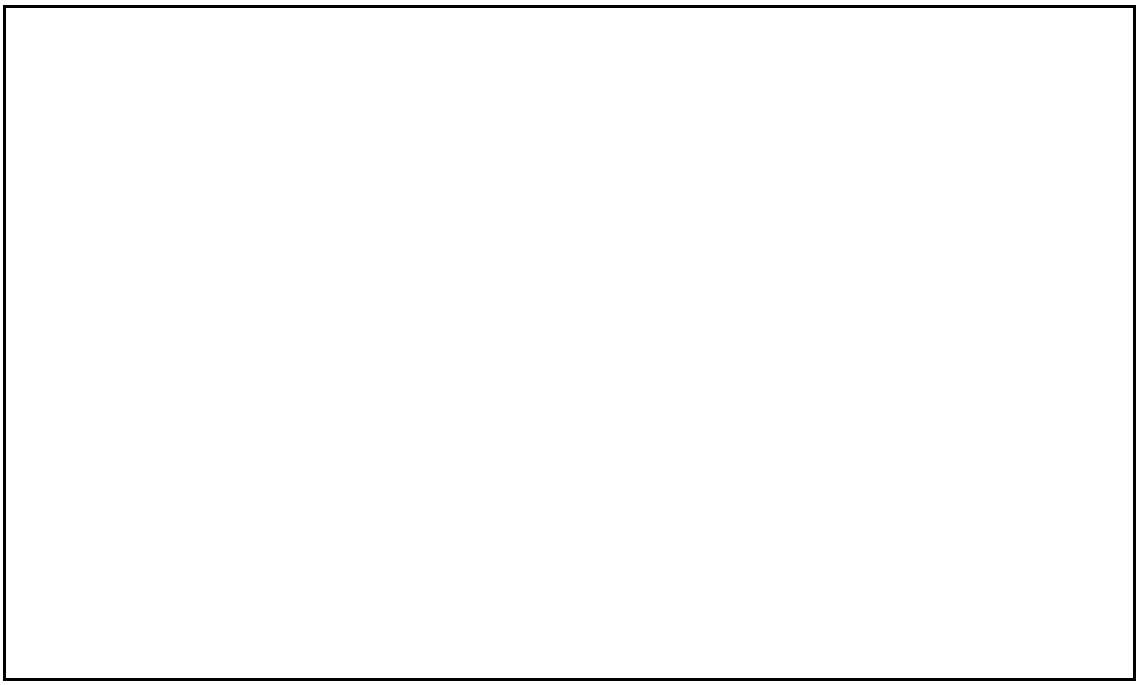
4-Acetil-2-butil-2-metoxicarbonil-7-oxooctanoat de metil, **55**



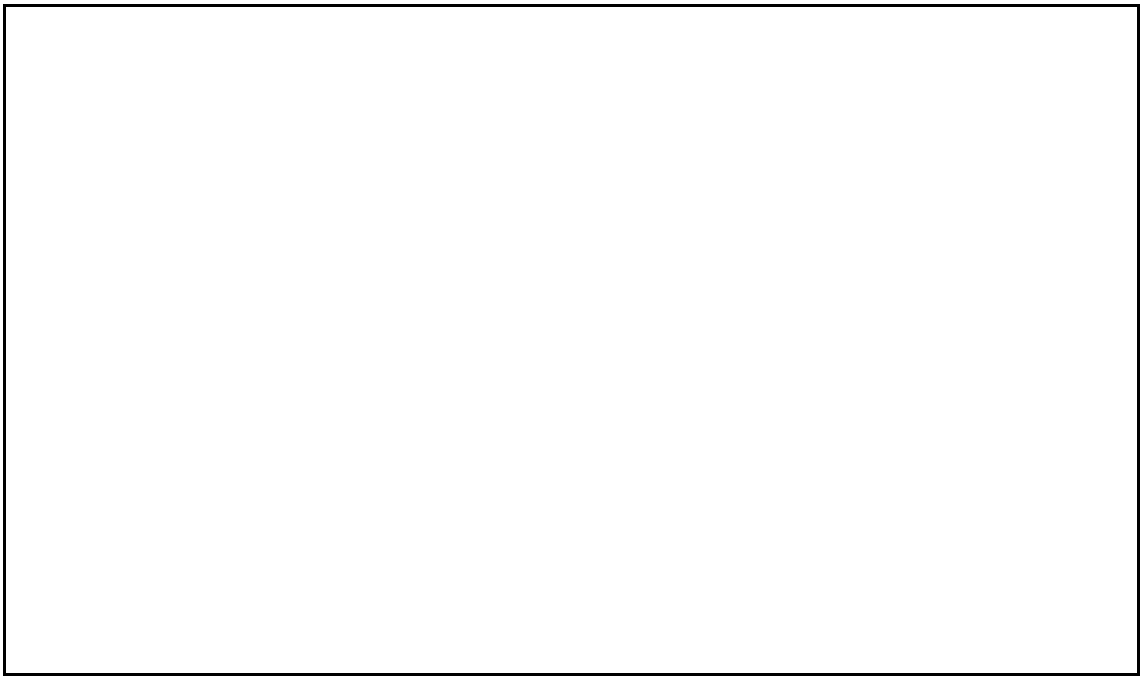
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)

^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)

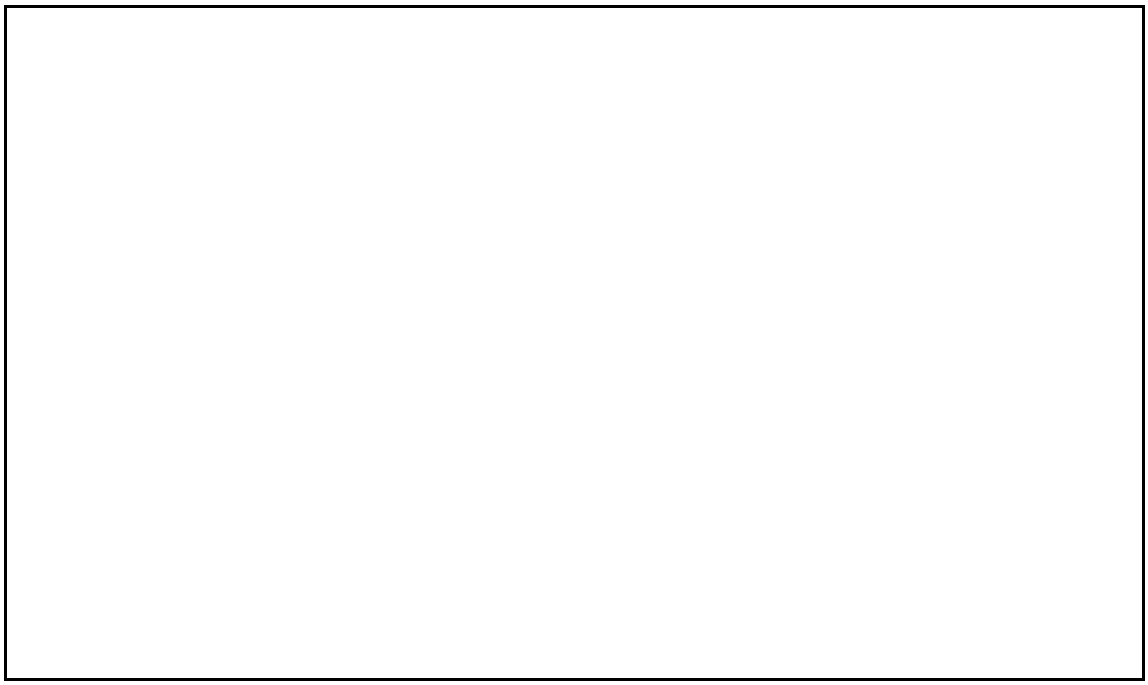
DEPT (62.9 MHz, $CDCl_3$) δ (ppm)



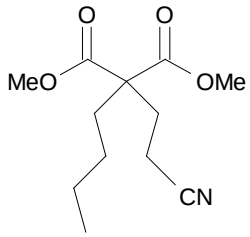
IR (film) ν (cm^{-1})



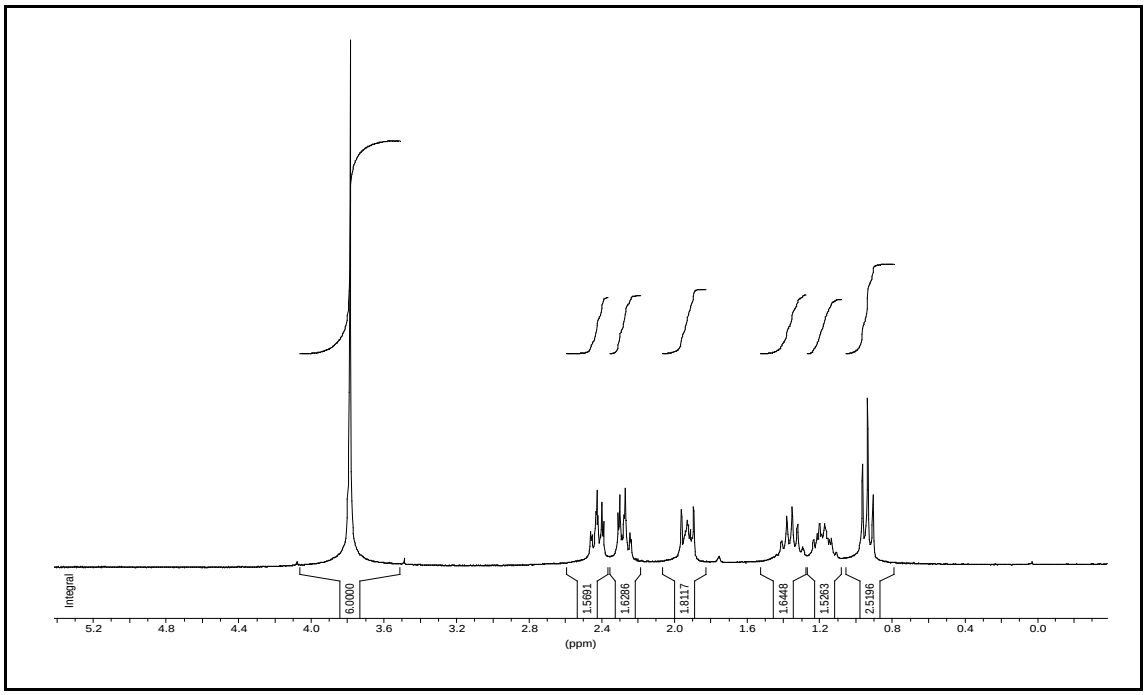
EM (m/z)



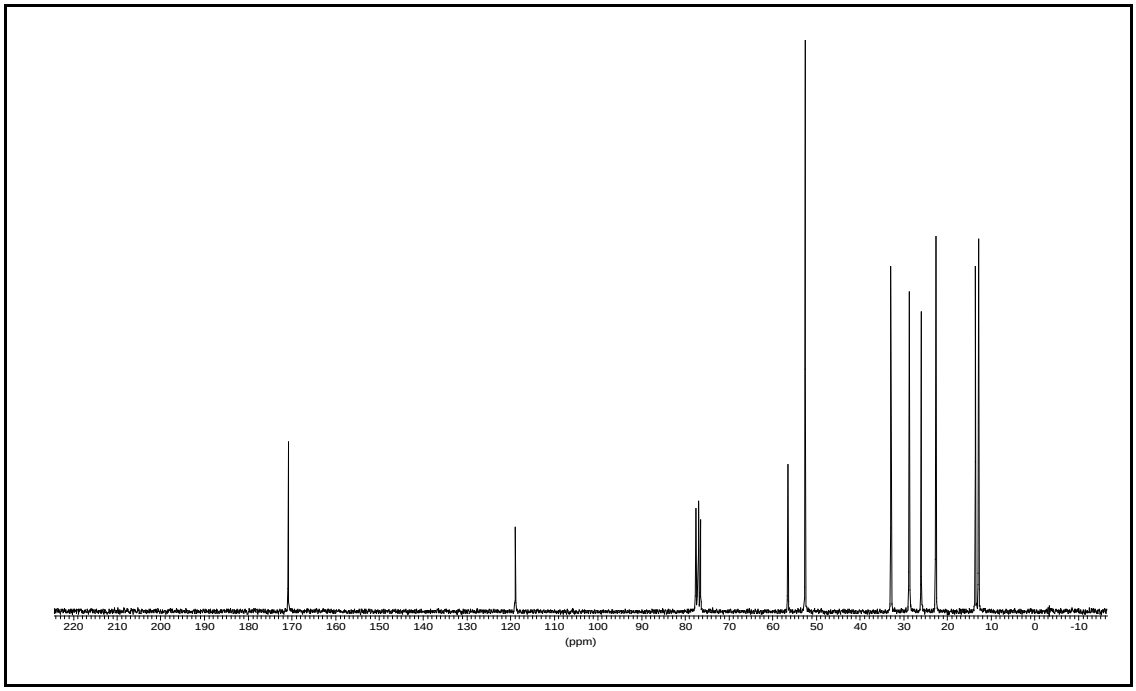
2-Butil-2-(2-cianoetil)malonat de dimetil, **38**



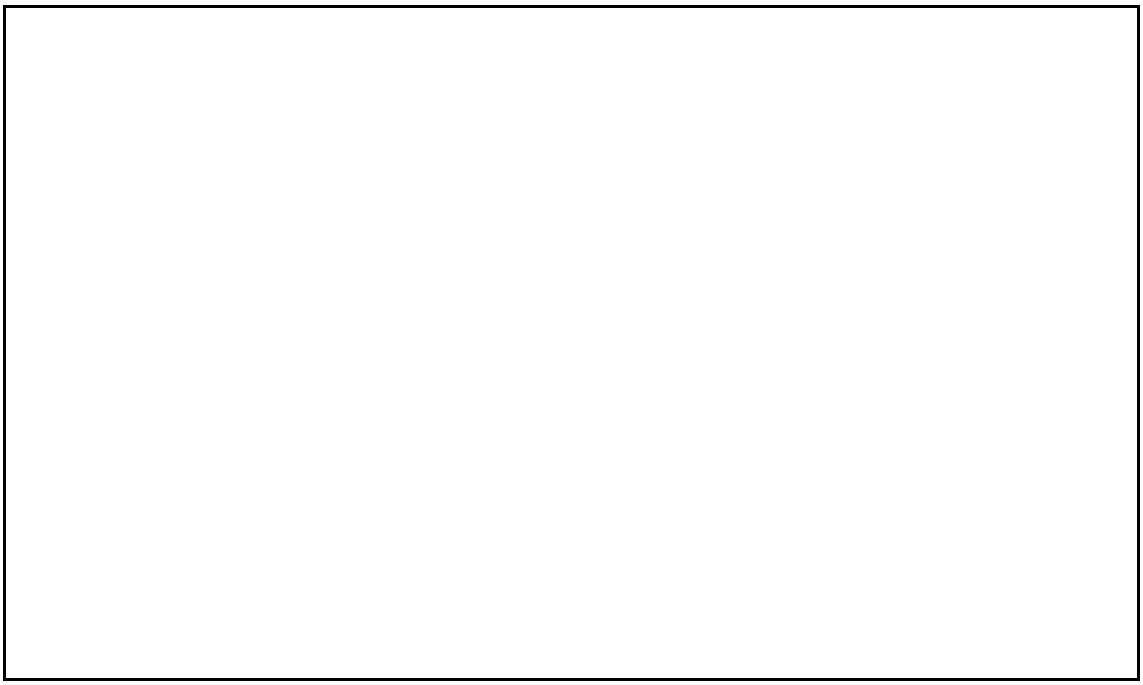
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



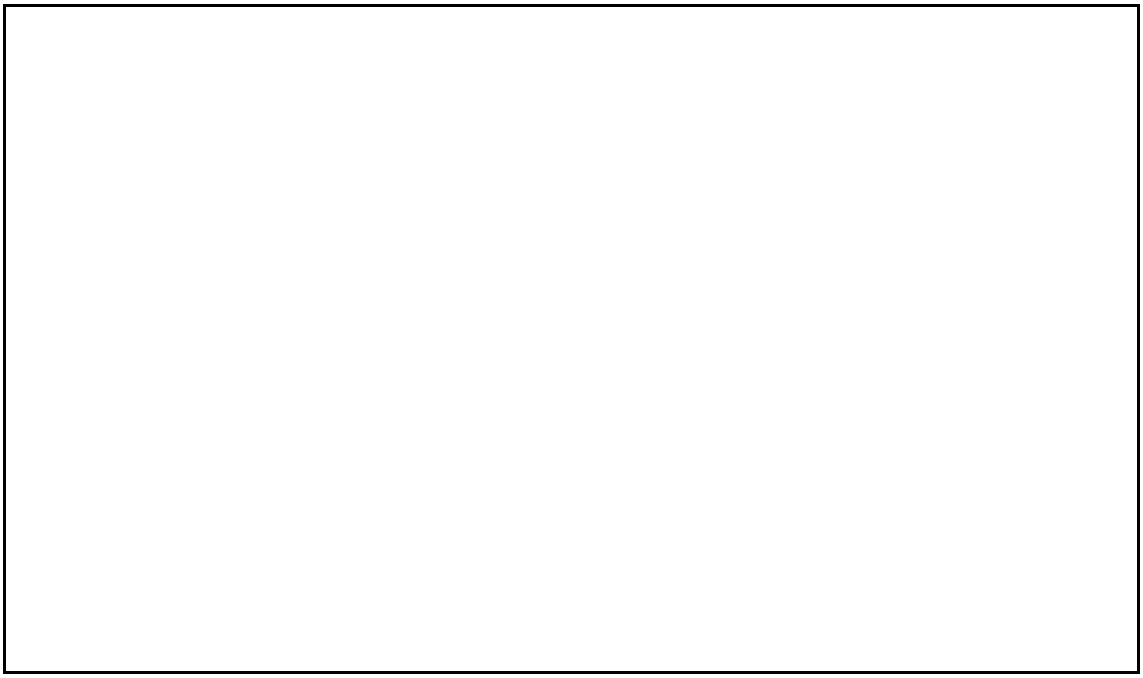
^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)



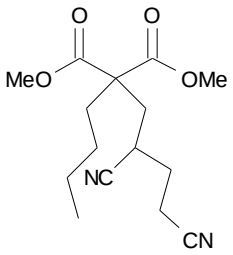
IR (film) ν (cm^{-1})



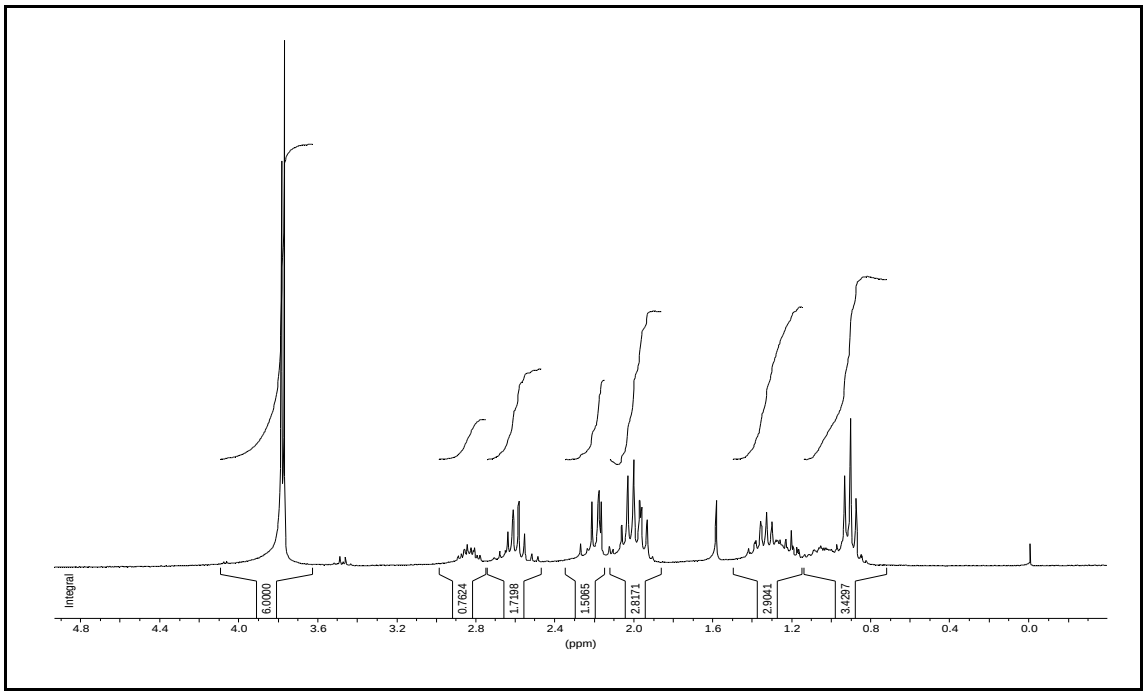
EM (m/z)



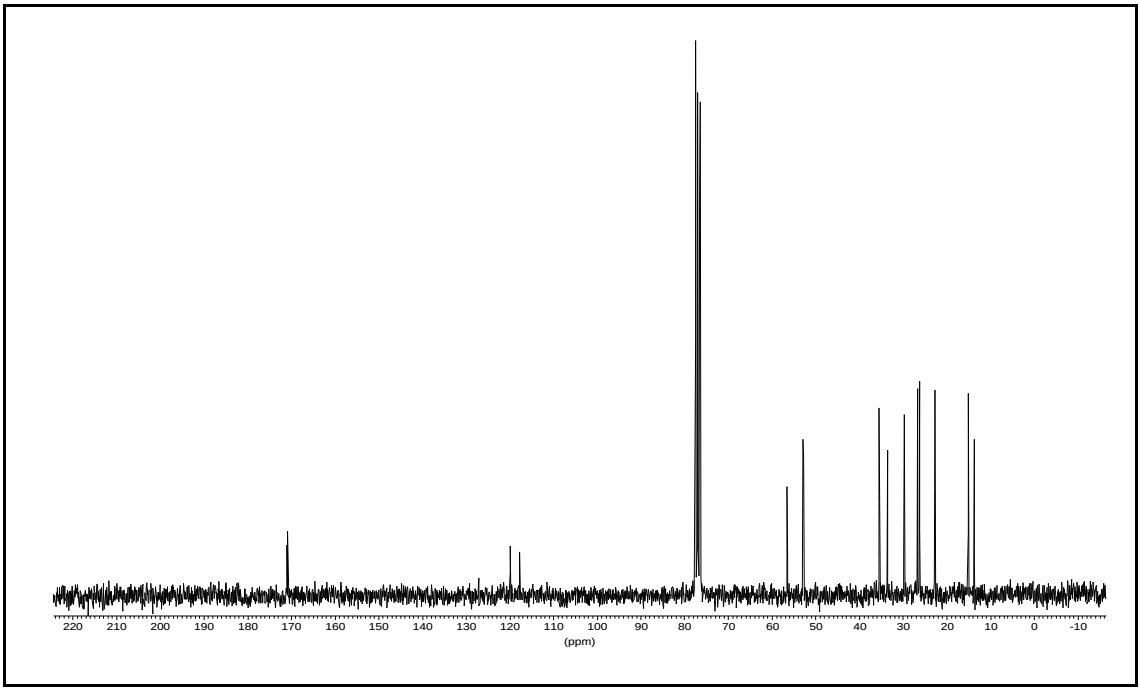
2-Butil-2-(2,4-dicianobutil)malonat de dimetil, **39a**



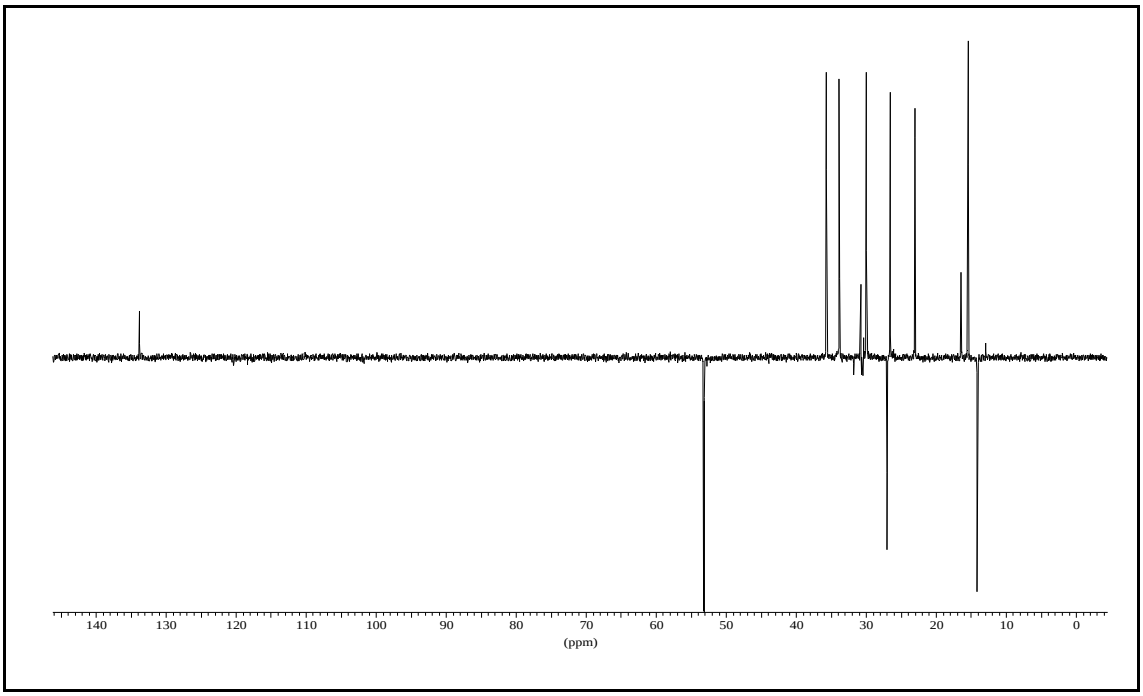
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)

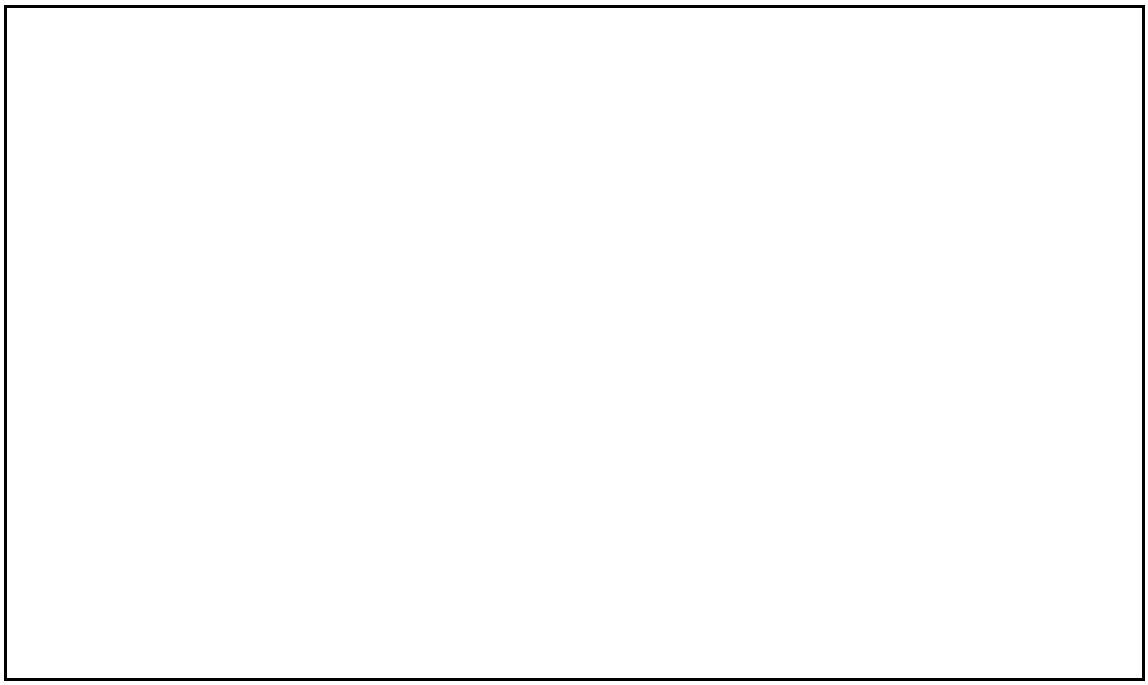


DEPT (62.9 MHz, $CDCl_3$) δ (ppm)

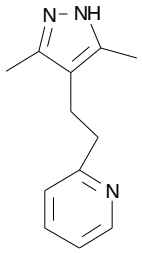


IR (film) ν (cm^{-1})

EM (m/z)



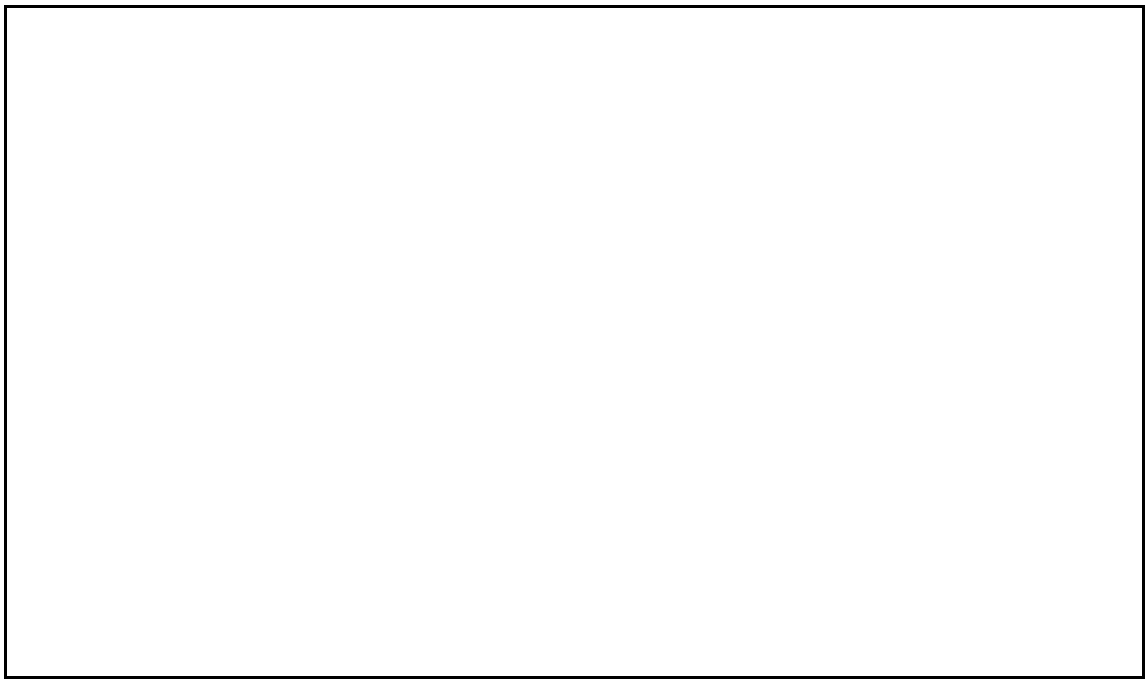
3,5-Dimetil-4-(2-(2-piridil)etil)pirazole, **47**



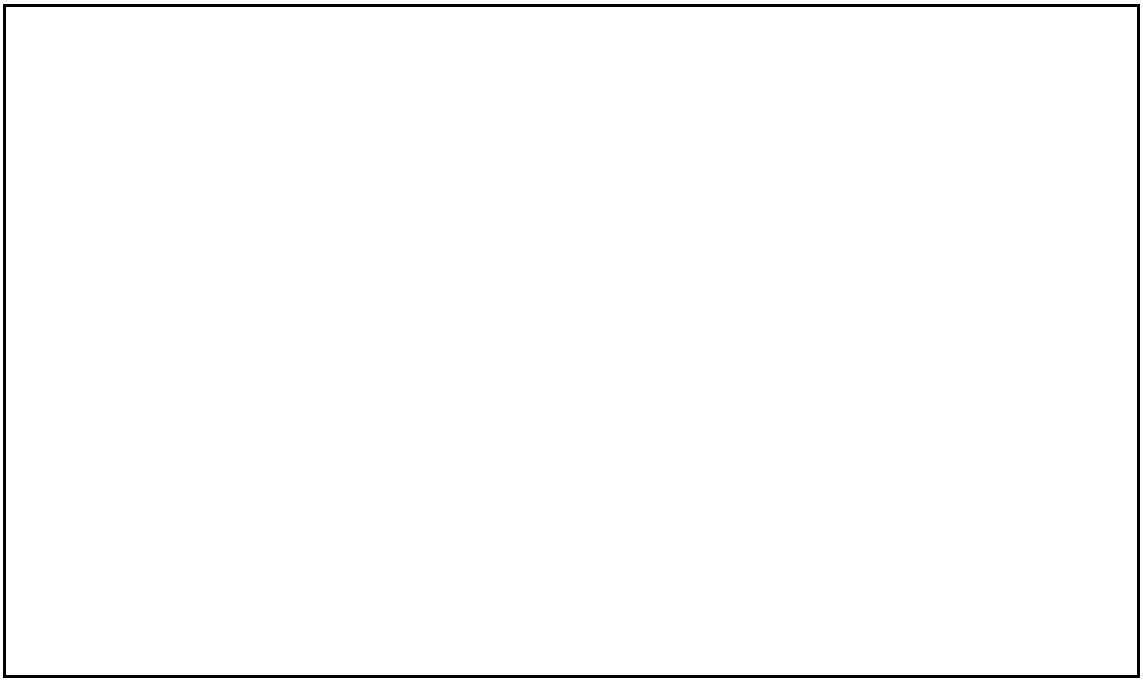
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)

^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)

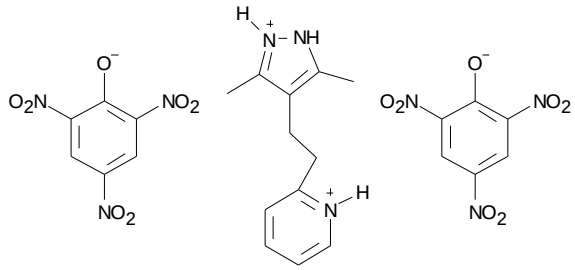
IR (film) ν (cm^{-1})



HRMS (m/z)



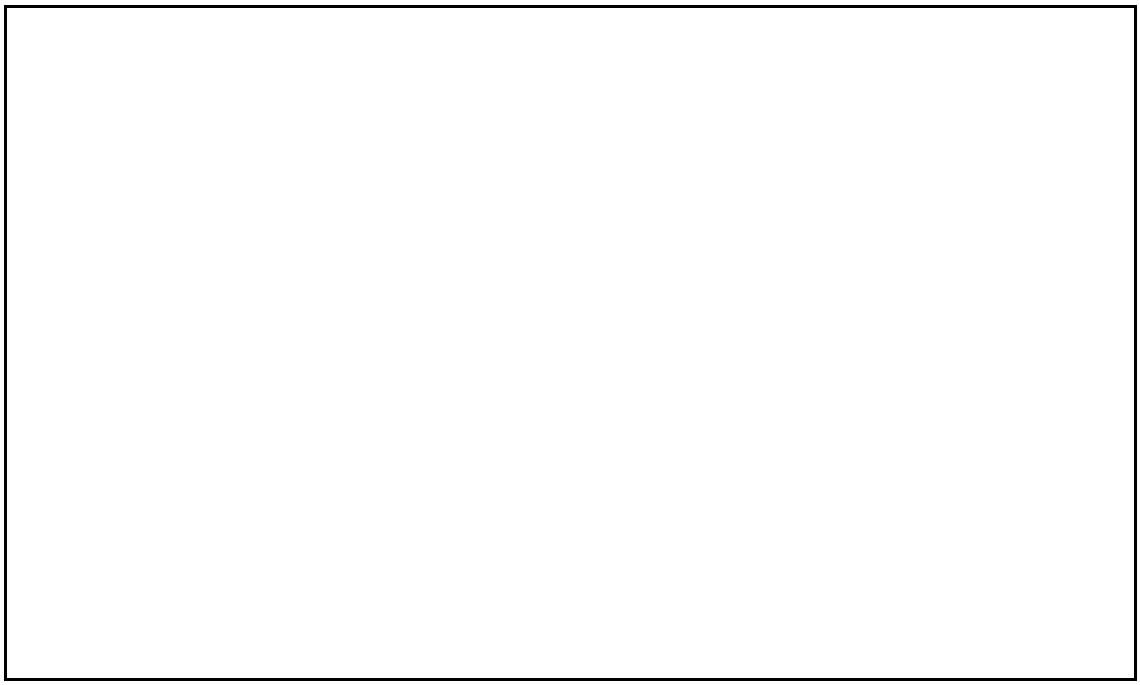
Dipicrat del 3,5-dimetil-4-(2-(2-piri-dil)etil)pirazolil, **48**



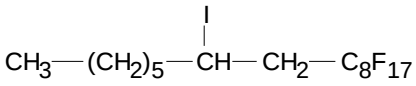
^{1}H-RMN (250 MHz, DMSO-d$_6$) δ (ppm)

^{13}C-RMN (62.9 MHz, DMSO-d$_6$) δ (ppm)

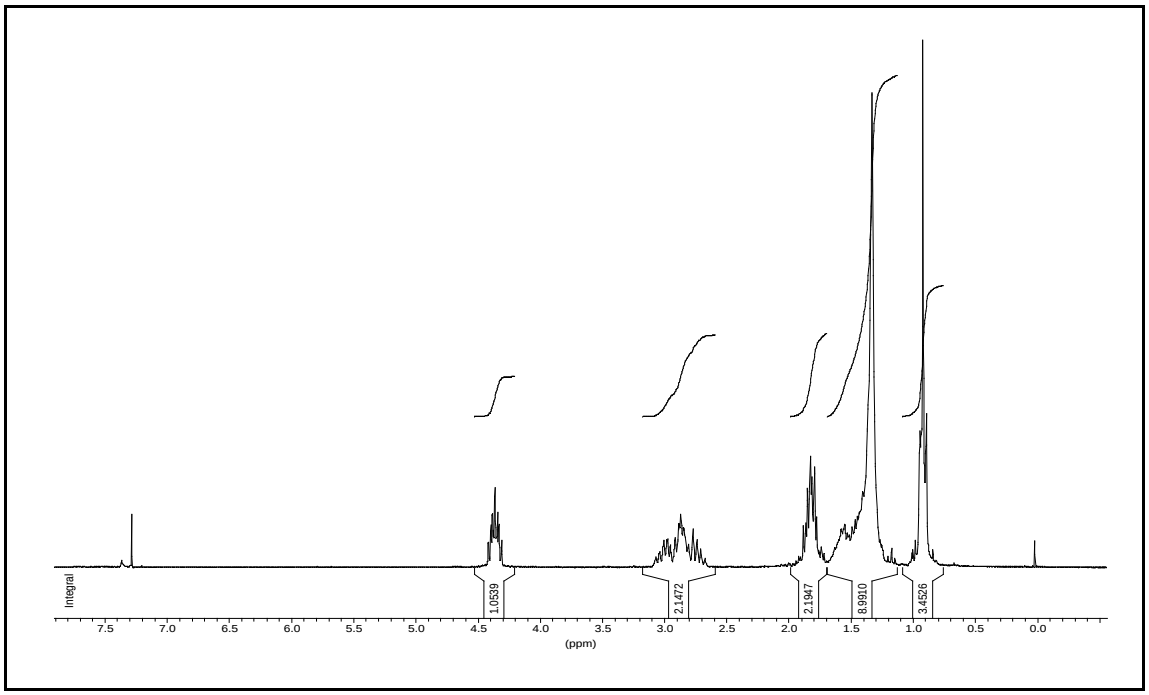
IR (KBr) ν (cm^{-1})



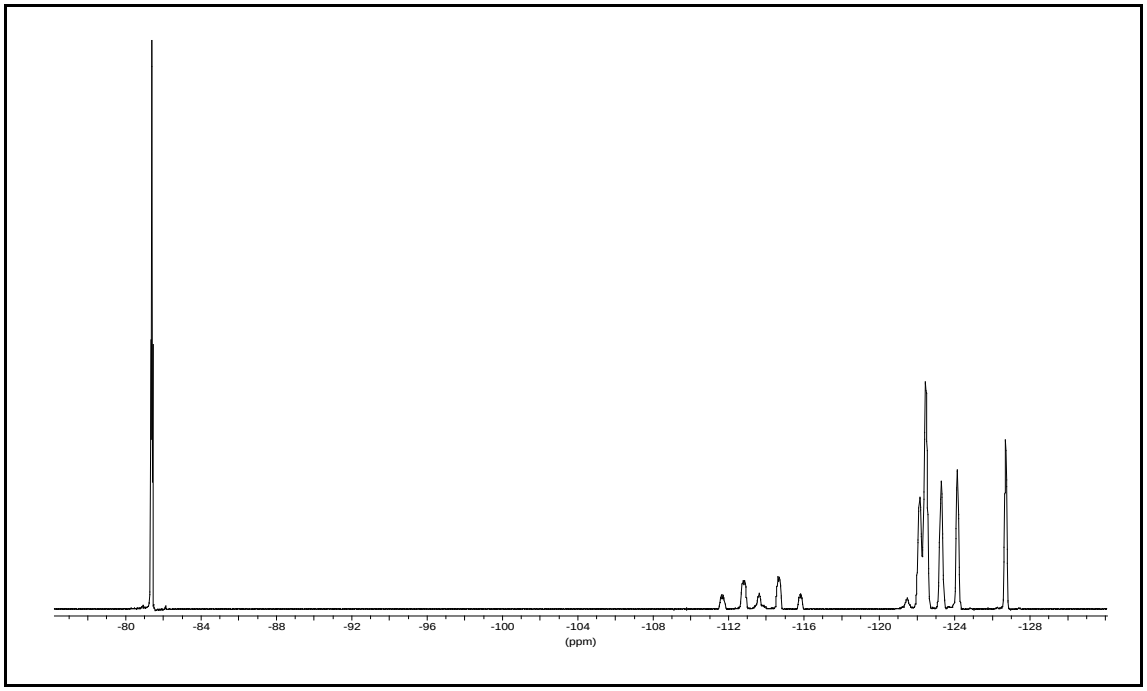
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iodo-hexadecà, **64**



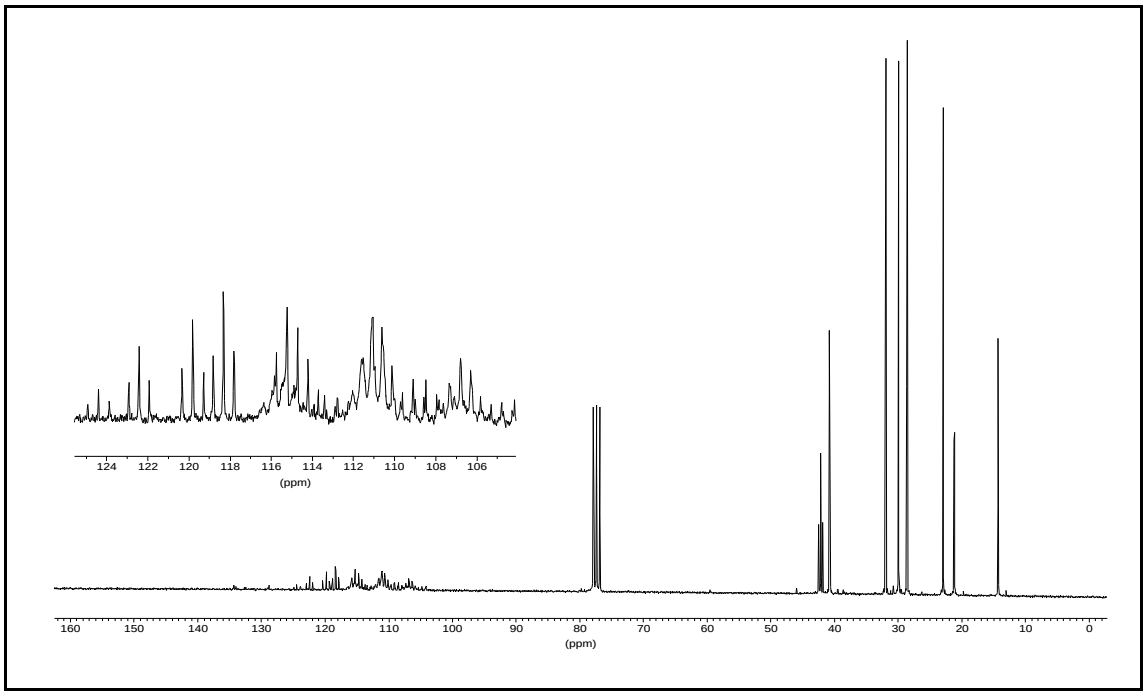
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



^{19}F-RMN (235.36 MHz, $CDCl_3$) δ (ppm)

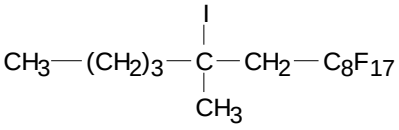


^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)

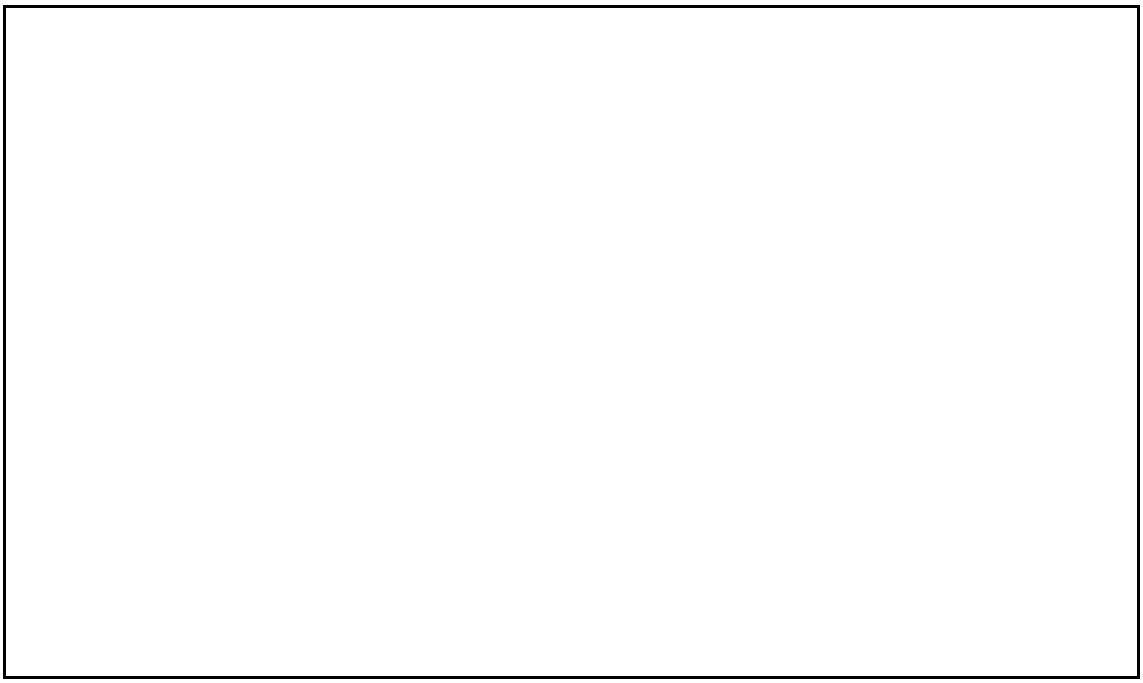


IR (film) ν (cm^{-1})

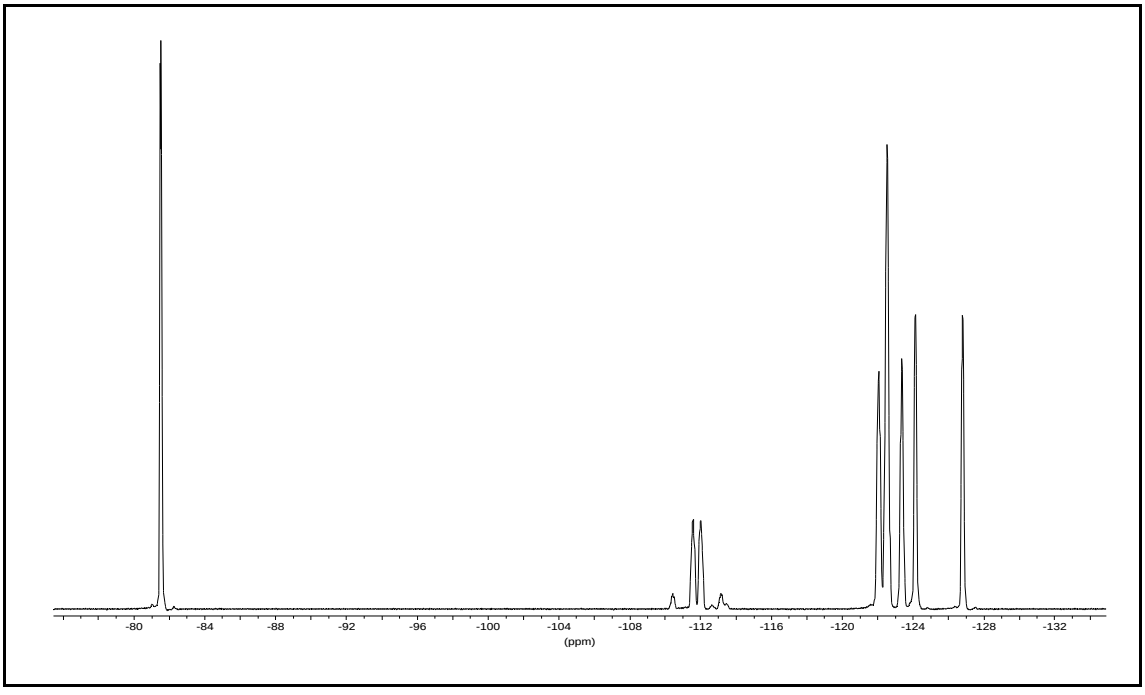
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iodo-10-metiltetracecà, **66**



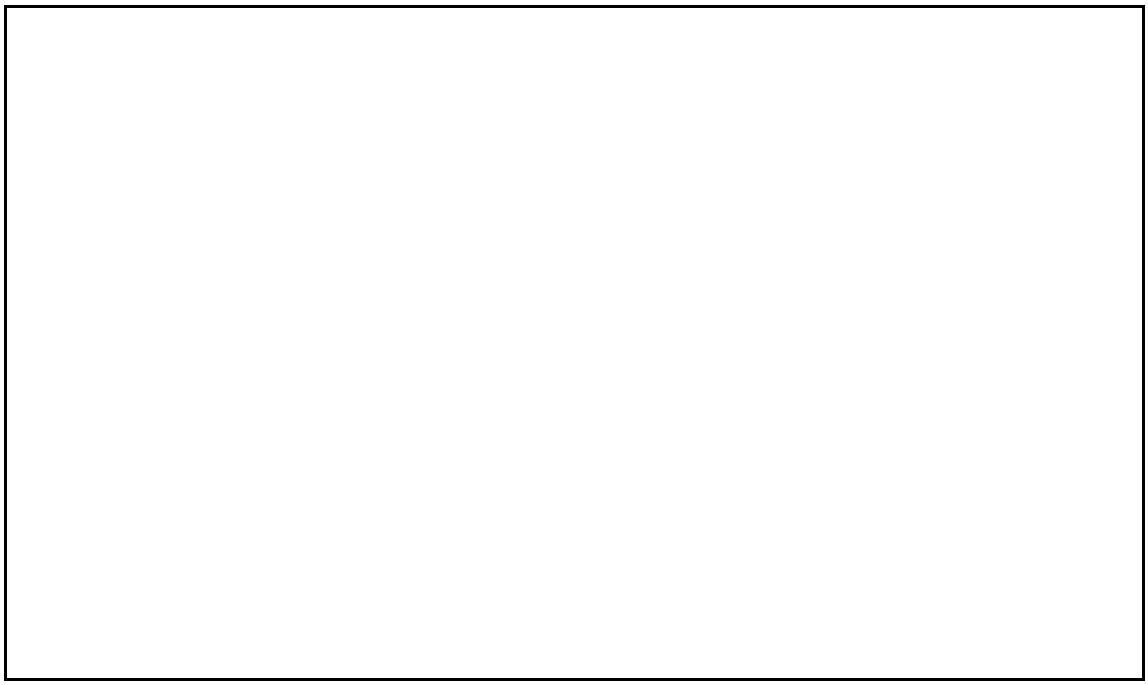
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



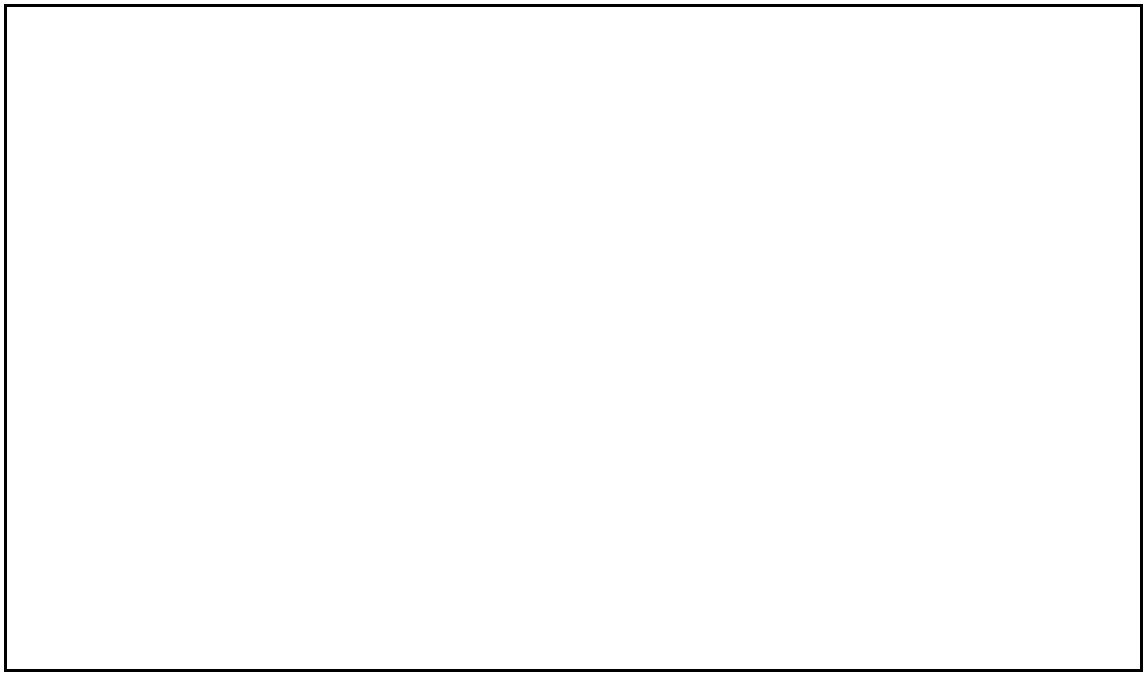
^{19}F-RMN (235.36 MHz, $CDCl_3$) δ (ppm)



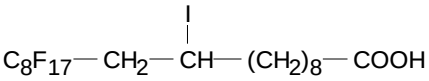
^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)



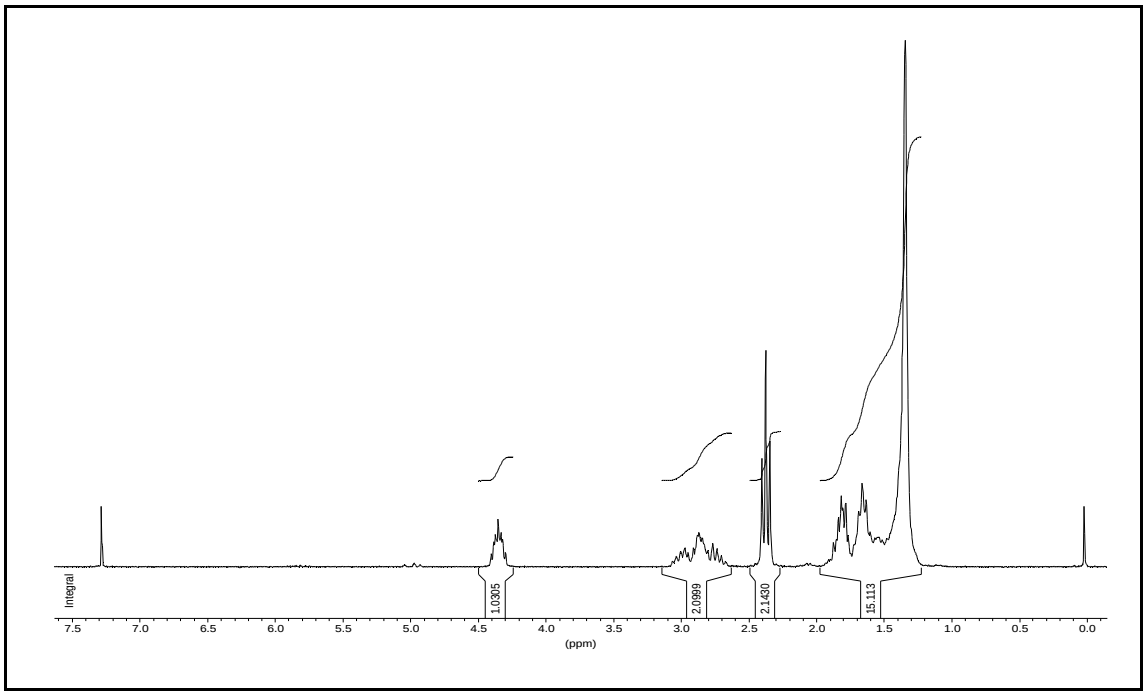
IR (film) ν (cm^{-1})



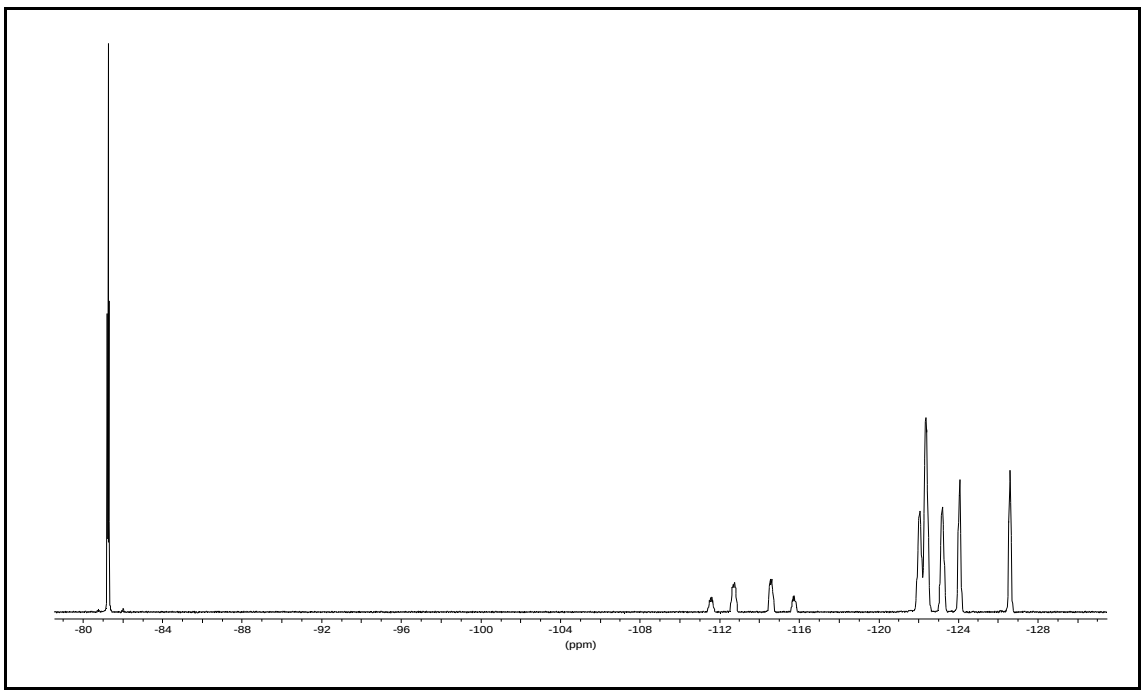
Àcid 12,12,13,13,14,14,15,15,16,16,17,17, 18,18, 19,19,19-heptadecafluoro-10-iodono-nadecanoic, **61a**



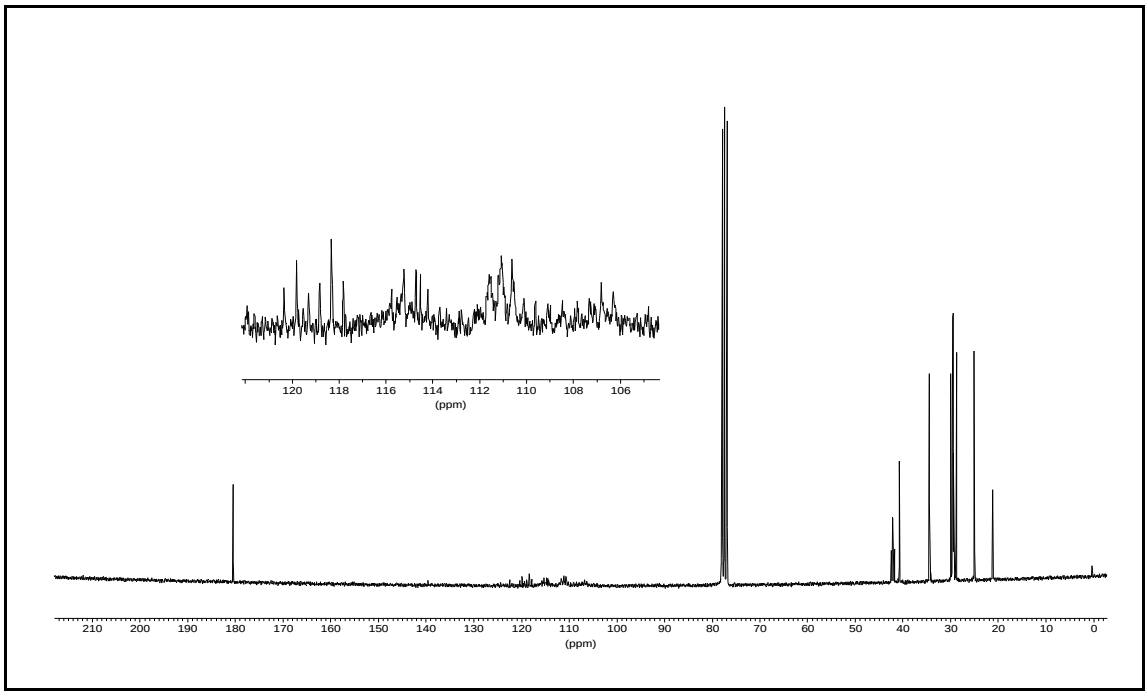
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



^{19}F-RMN (235.36 MHz, $CDCl_3$) δ (ppm)

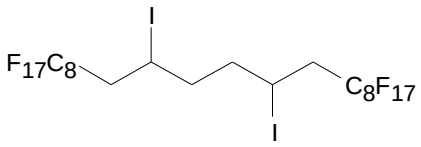


^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)

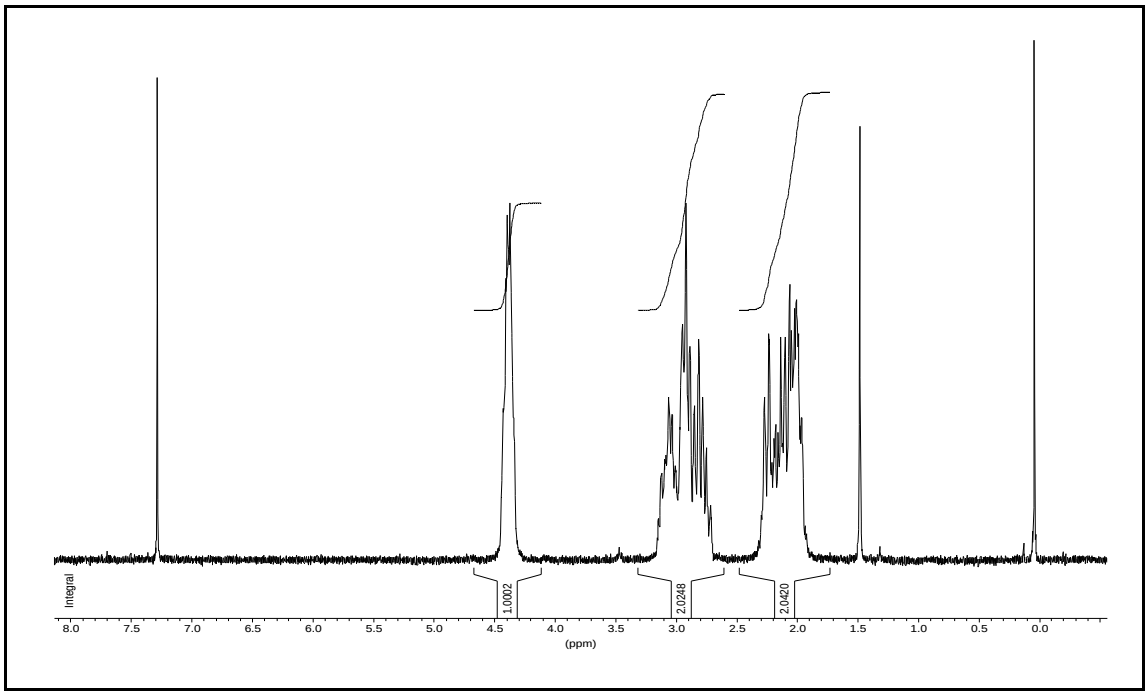


IR (film) ν (cm^{-1})

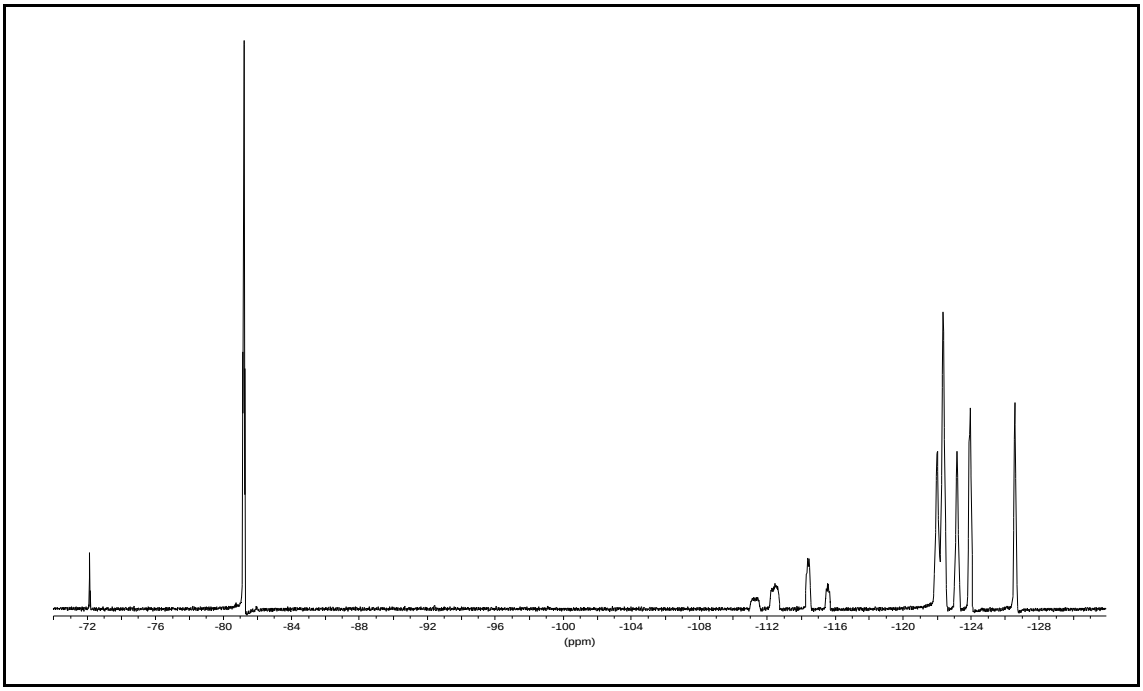
1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,15,15,16,16,17,18,18,19,19,20,20,21,21,22,22,22-Tetratriafluoro-10,13-diiododocosà, **69**



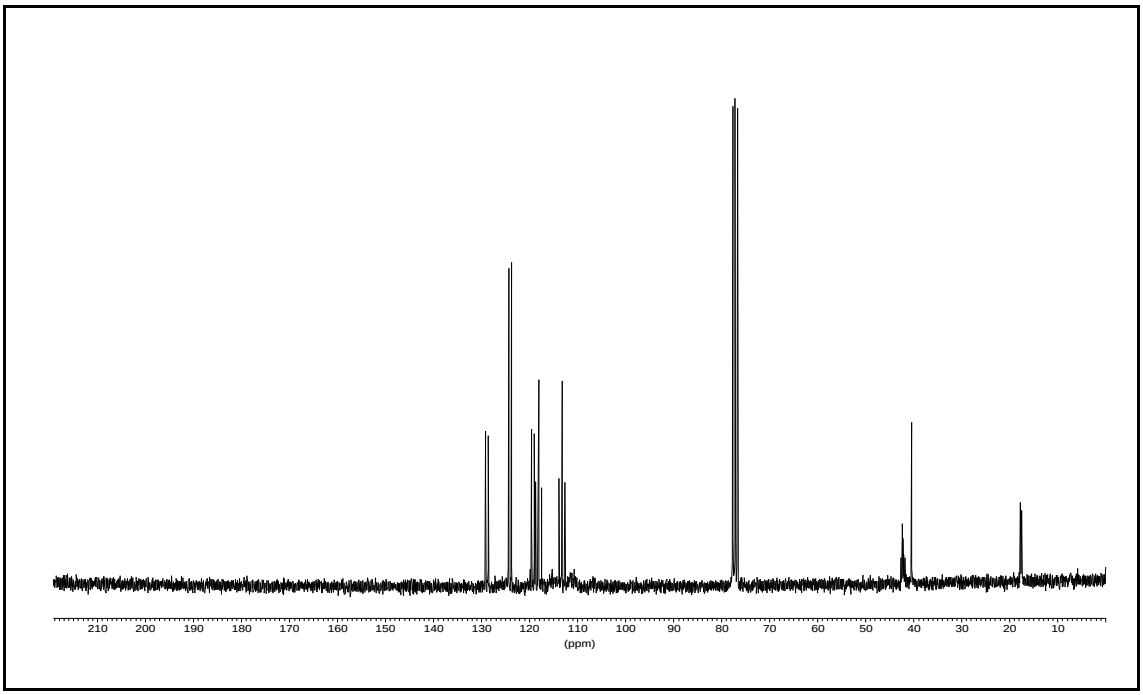
^{1}H-RMN (250 MHz, $CDCl_3$) δ (ppm)



^{19}F-RMN (235.36 MHz, $CDCl_3$) δ (ppm)



^{13}C-RMN (62.9 MHz, $CDCl_3$) δ (ppm)



IR (film) ν (cm^{-1})

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