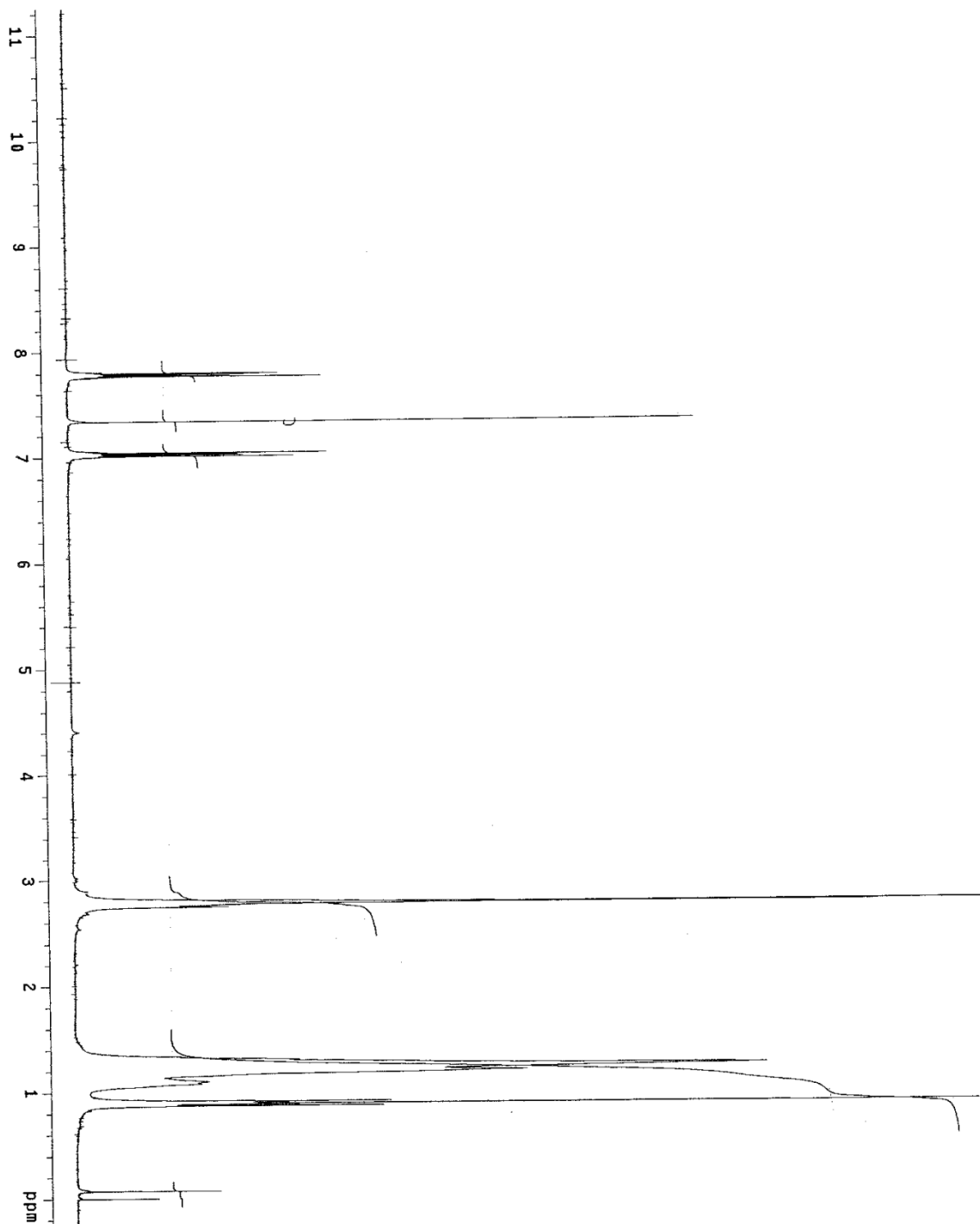
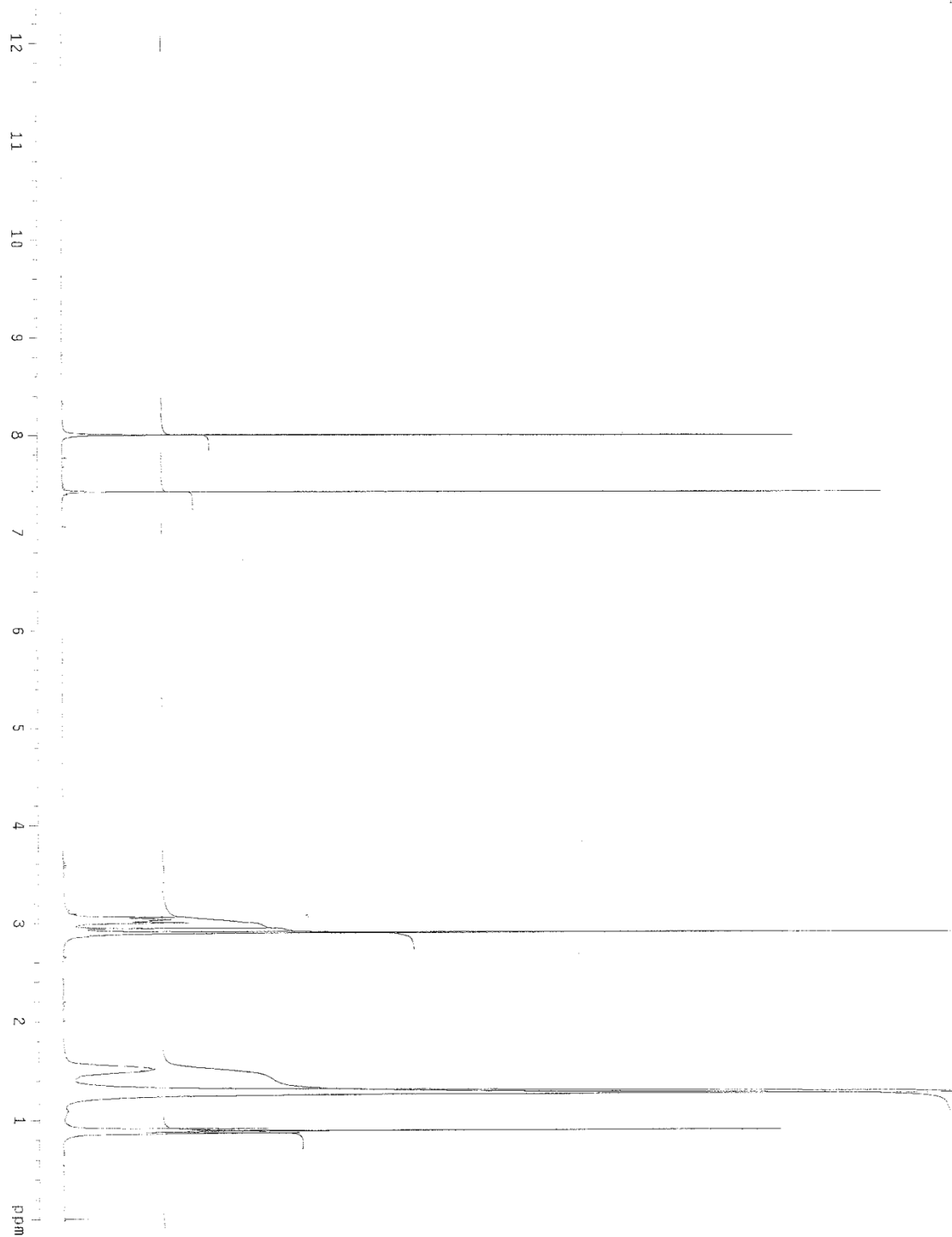


Supporting information - NMR

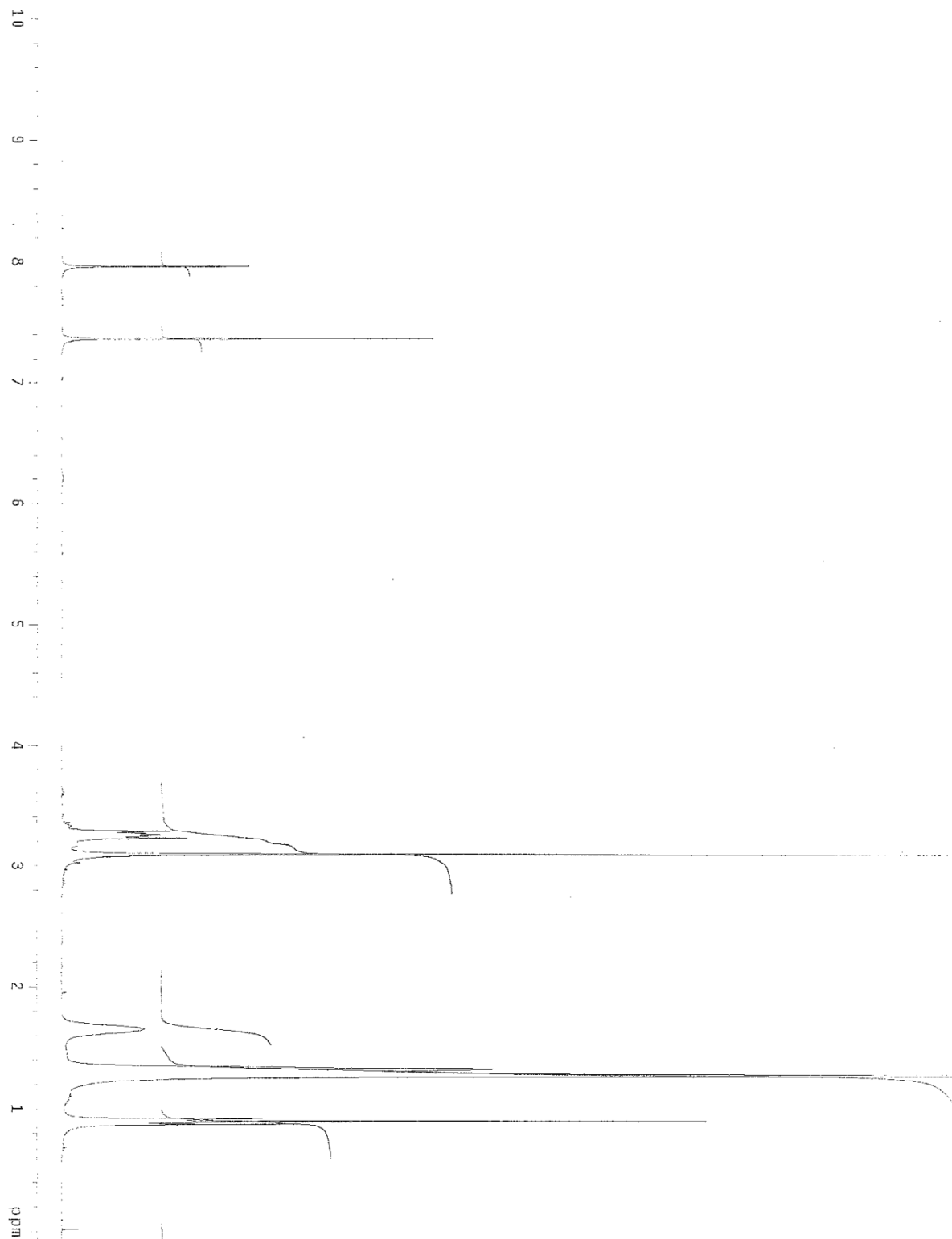
Didecyldimethylammonium benzotriazolate (**1**) ^1H NMR



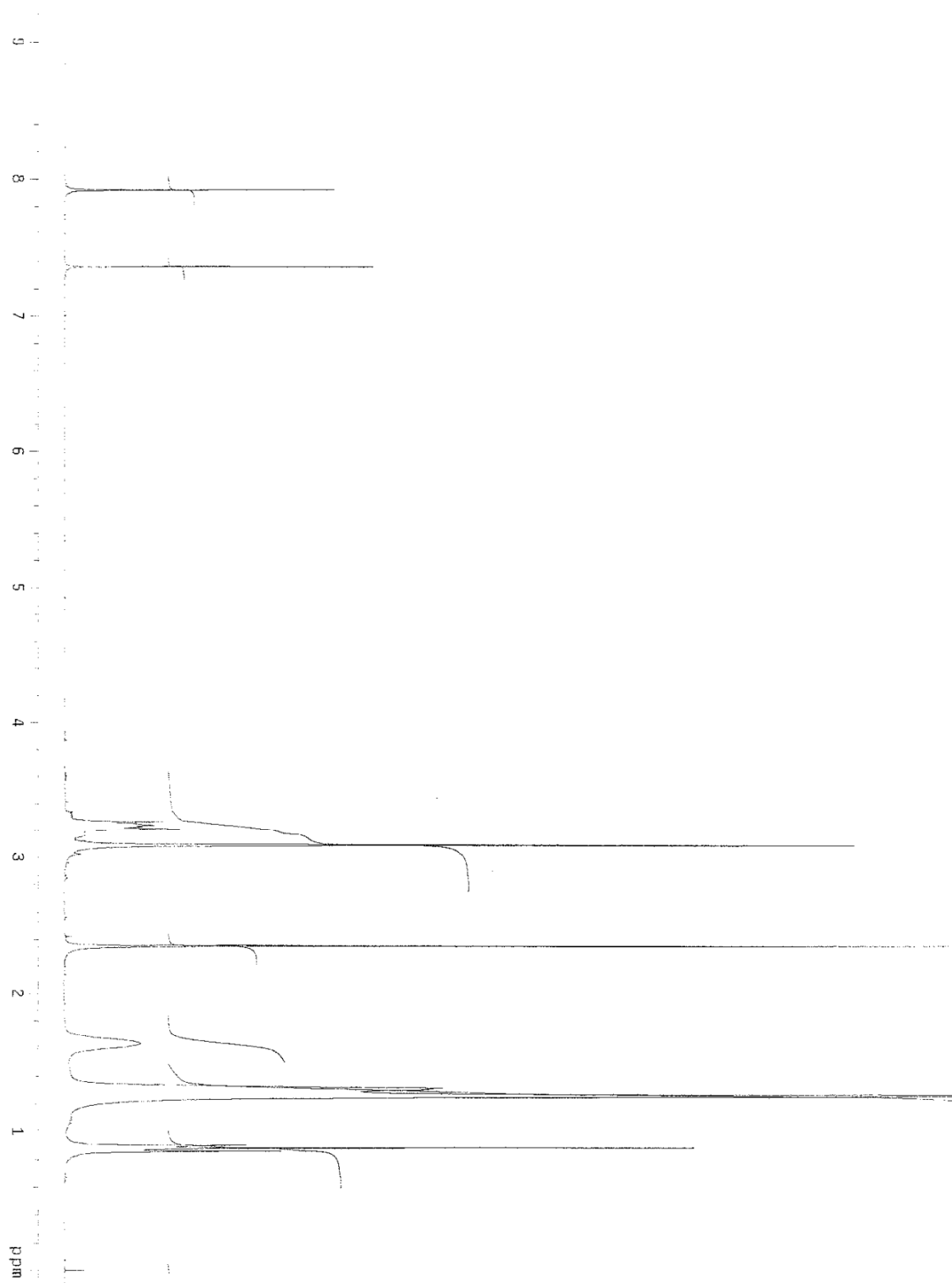
Didecyldimethylammonium 1,2,4-triazolate (2) ^1H NMR



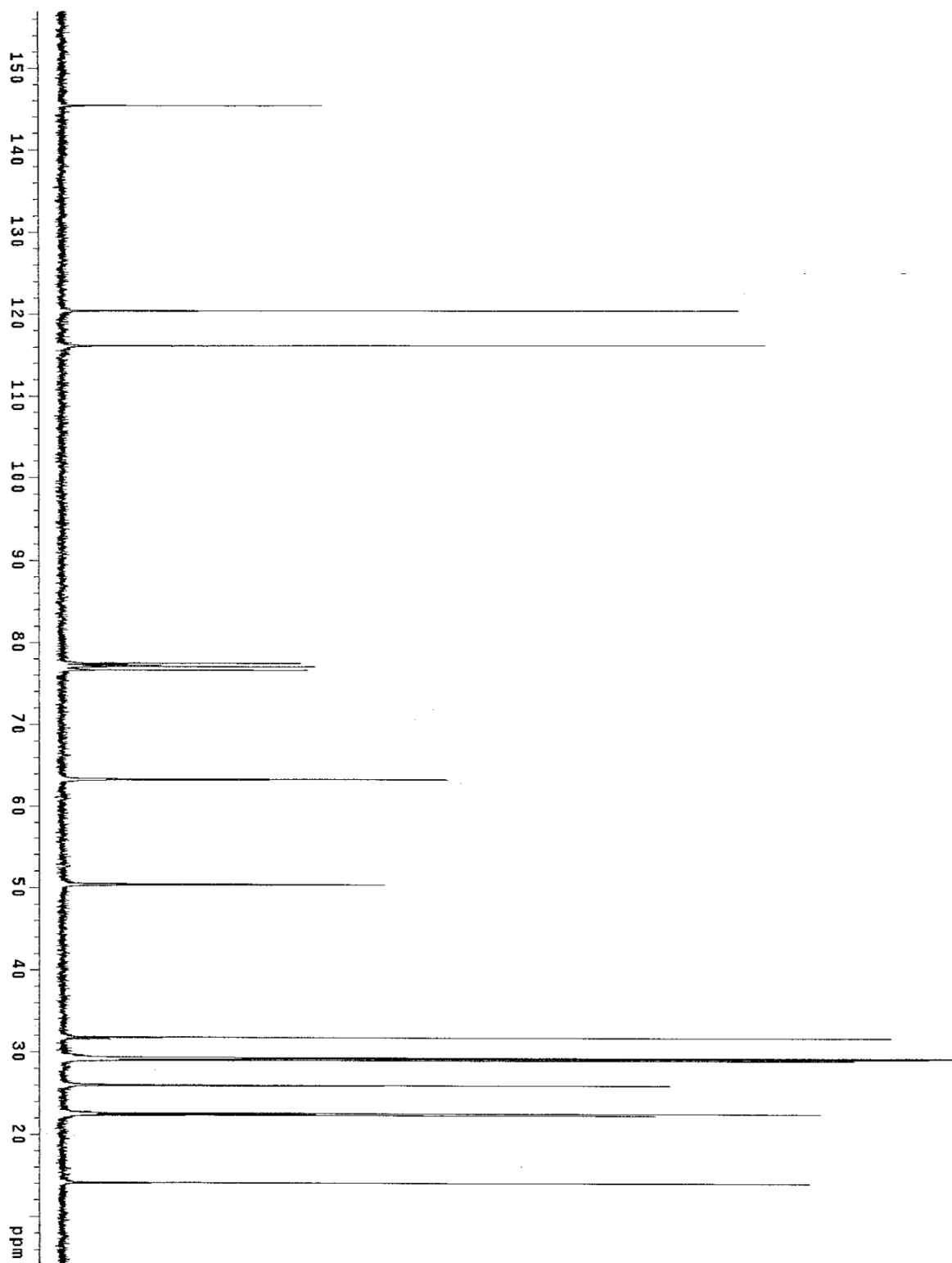
Didecyldimethylammonium 4-nitroimidazolate (3) ^1H NMR



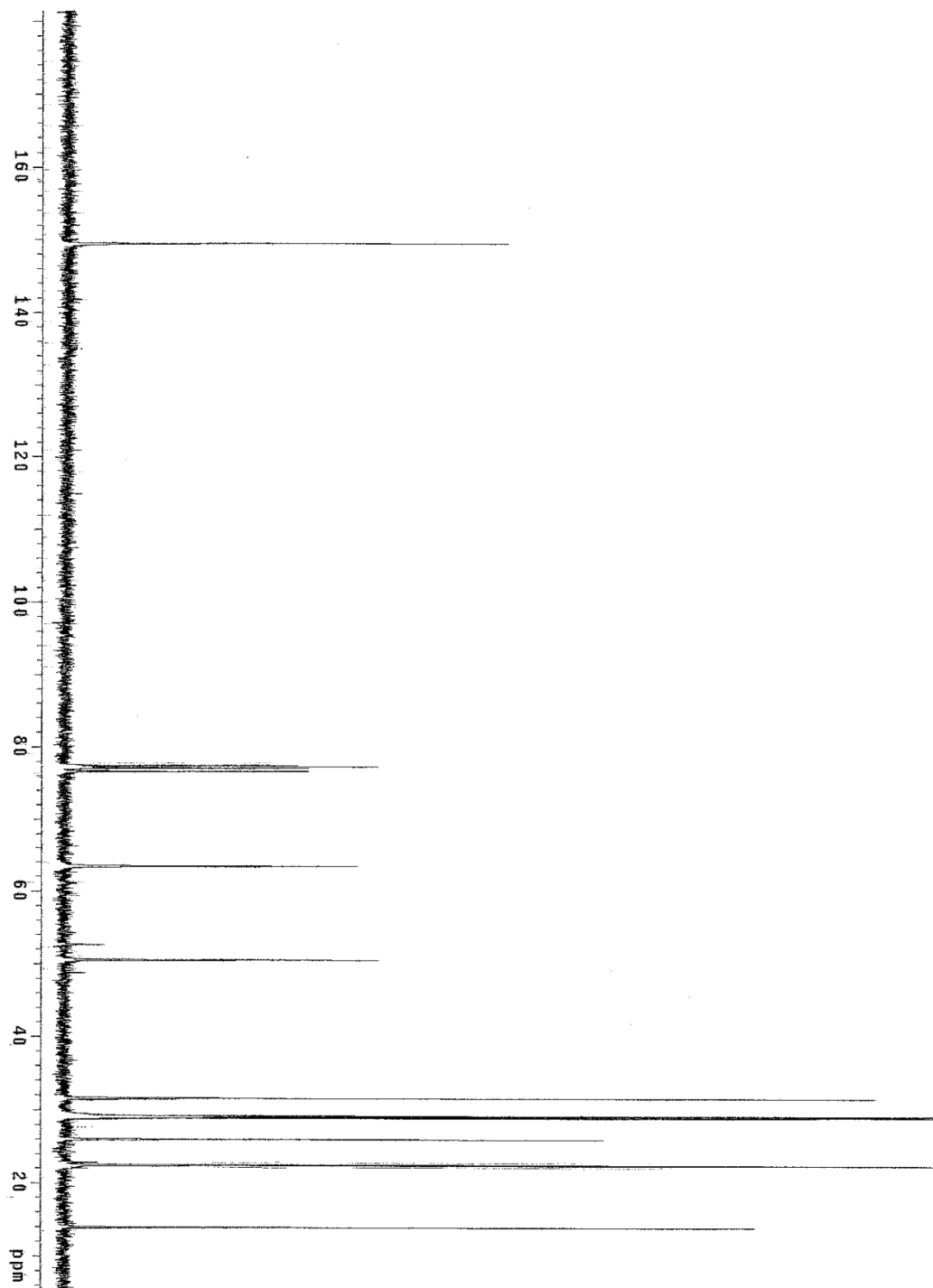
Didecyldimethylammonium 2-methyl-4-nitroimidazole (4) ¹HNMR



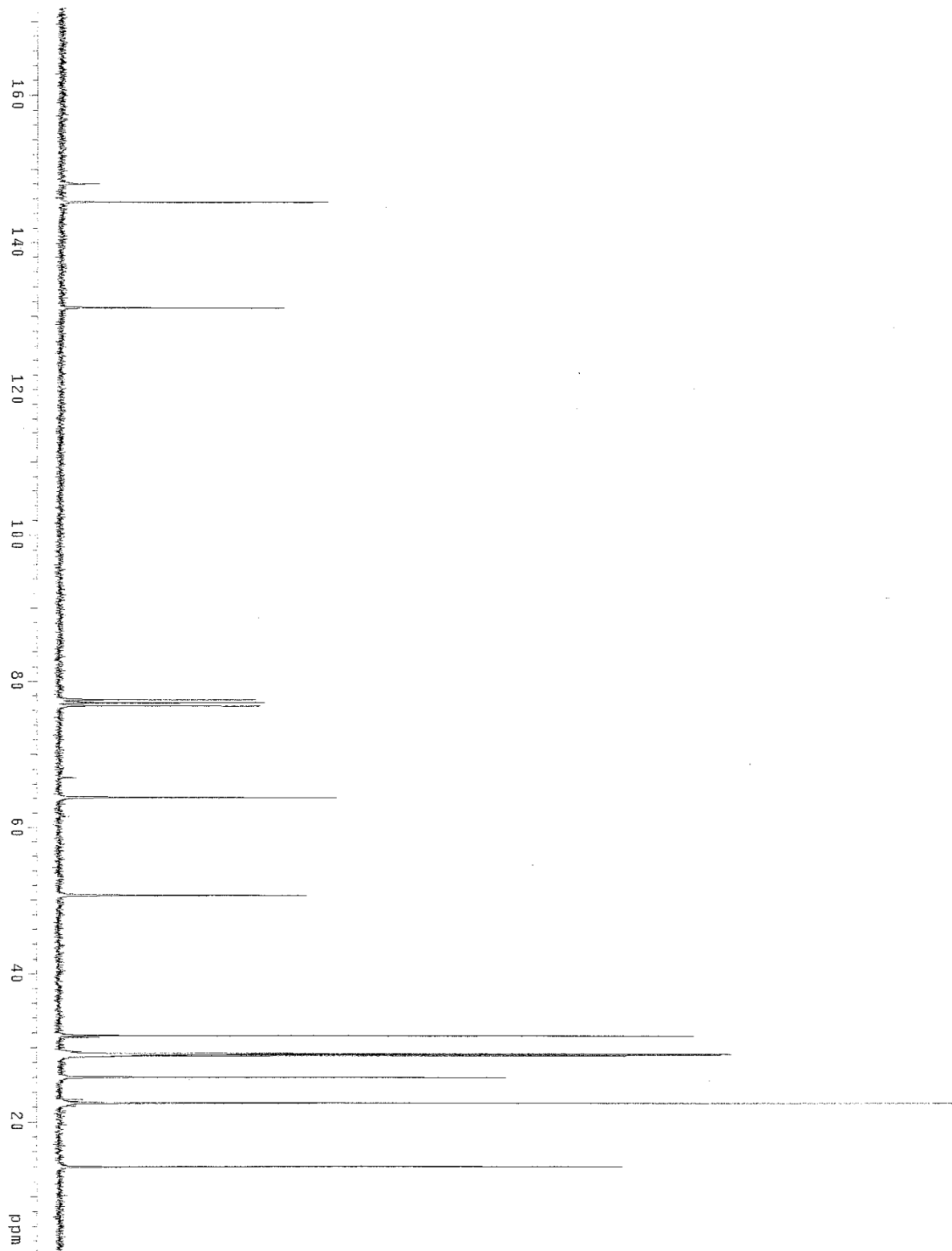
Didecyldimethylammonium benzotriazolate (**1**) ^{13}C NMR



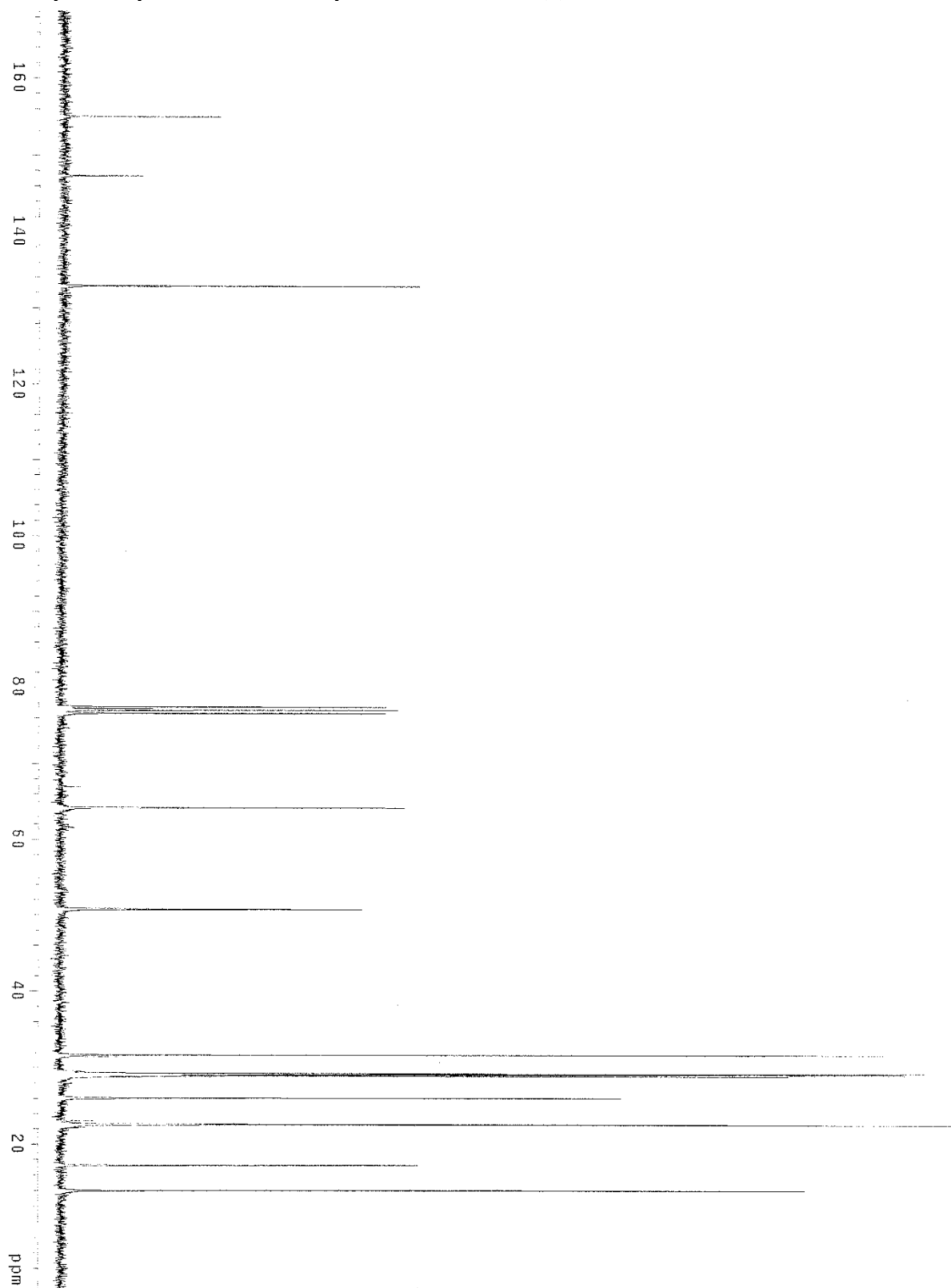
Didecyldimethylammonium 1,2,4-triazolate (2) ^{13}C NMR



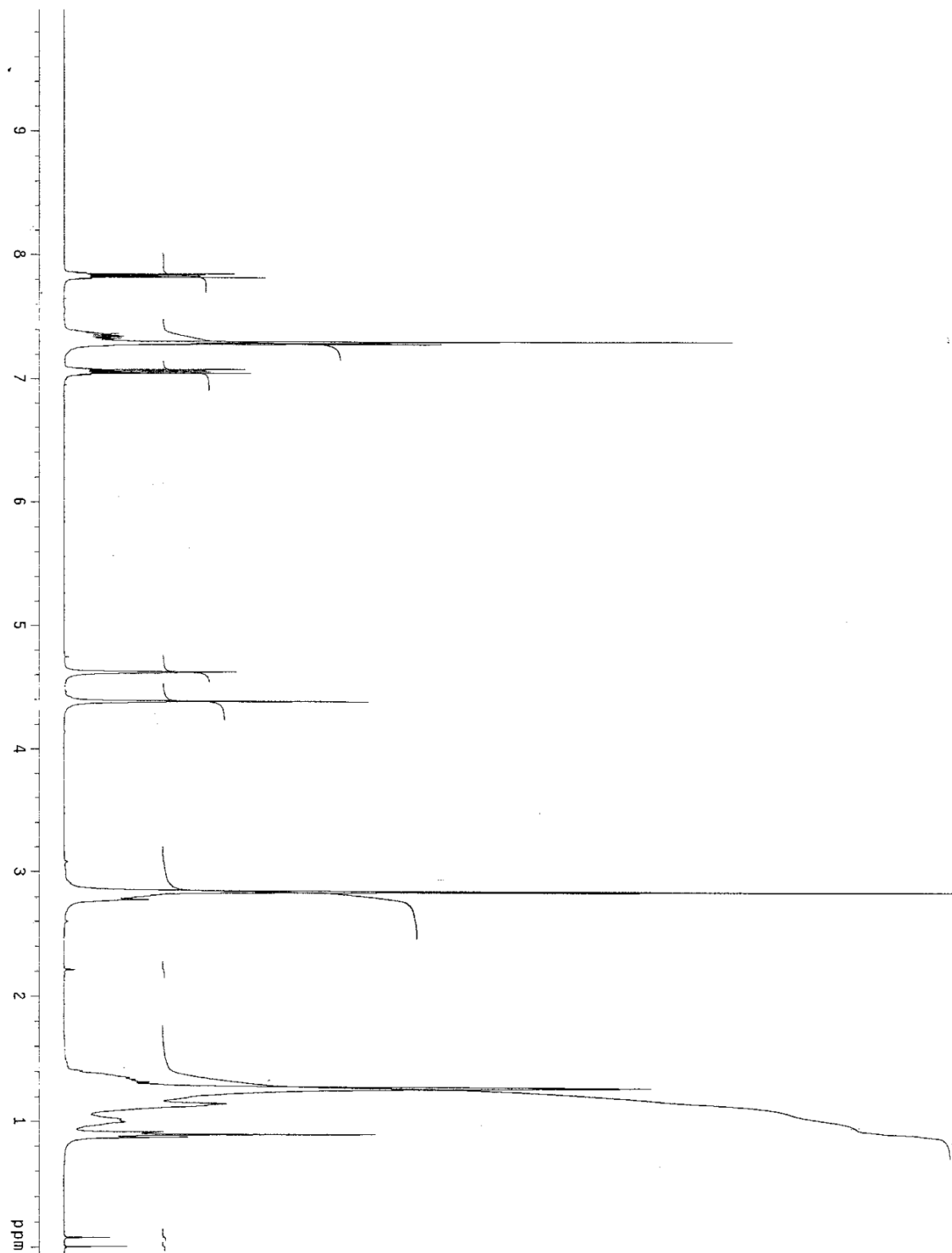
Didecyldimethylammonium 4-nitroimidazolate (3) ^{13}C NMR



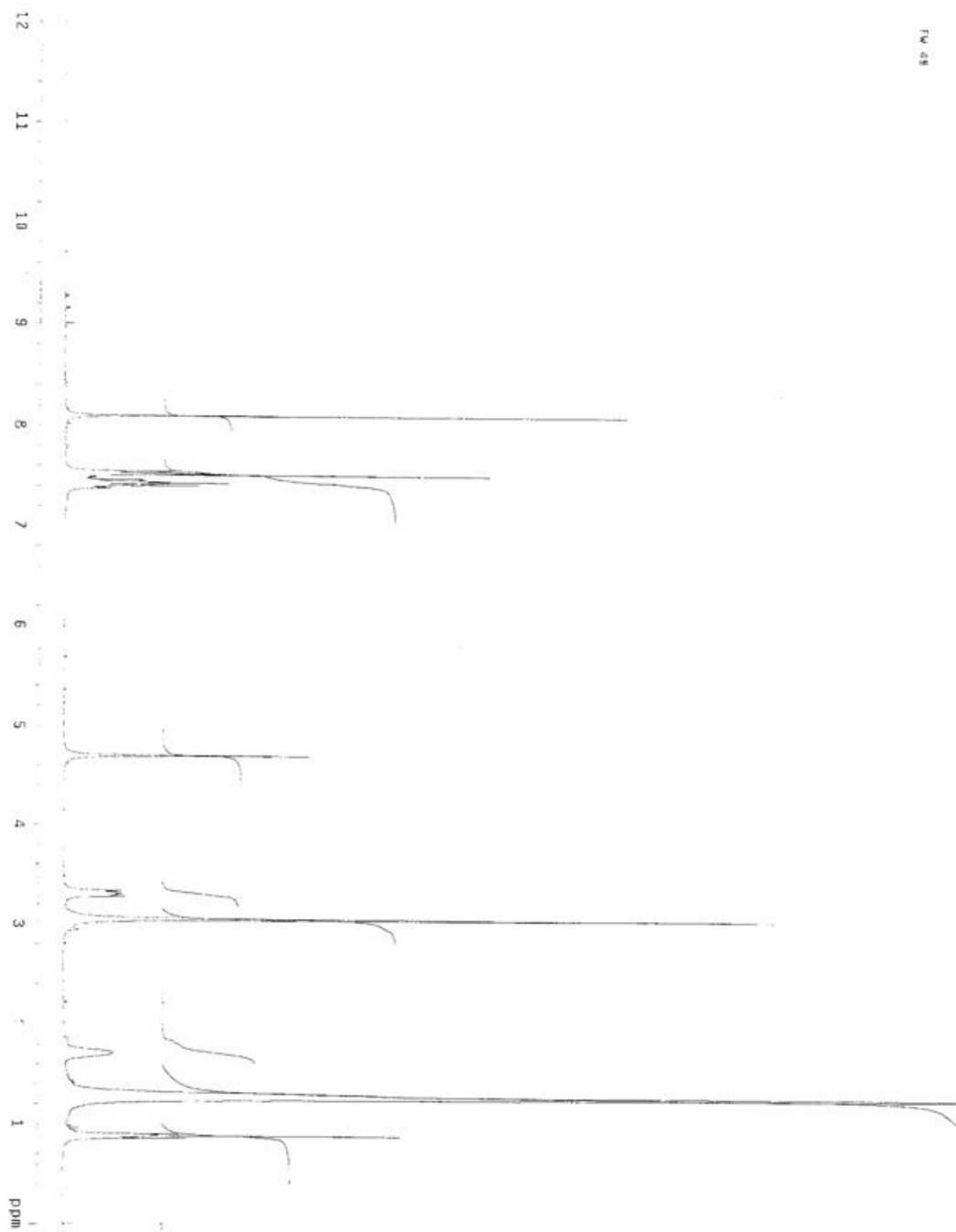
Didecyldimethylammonium 2-methyl-4-nitroimidazole (4) ^{13}C NMR



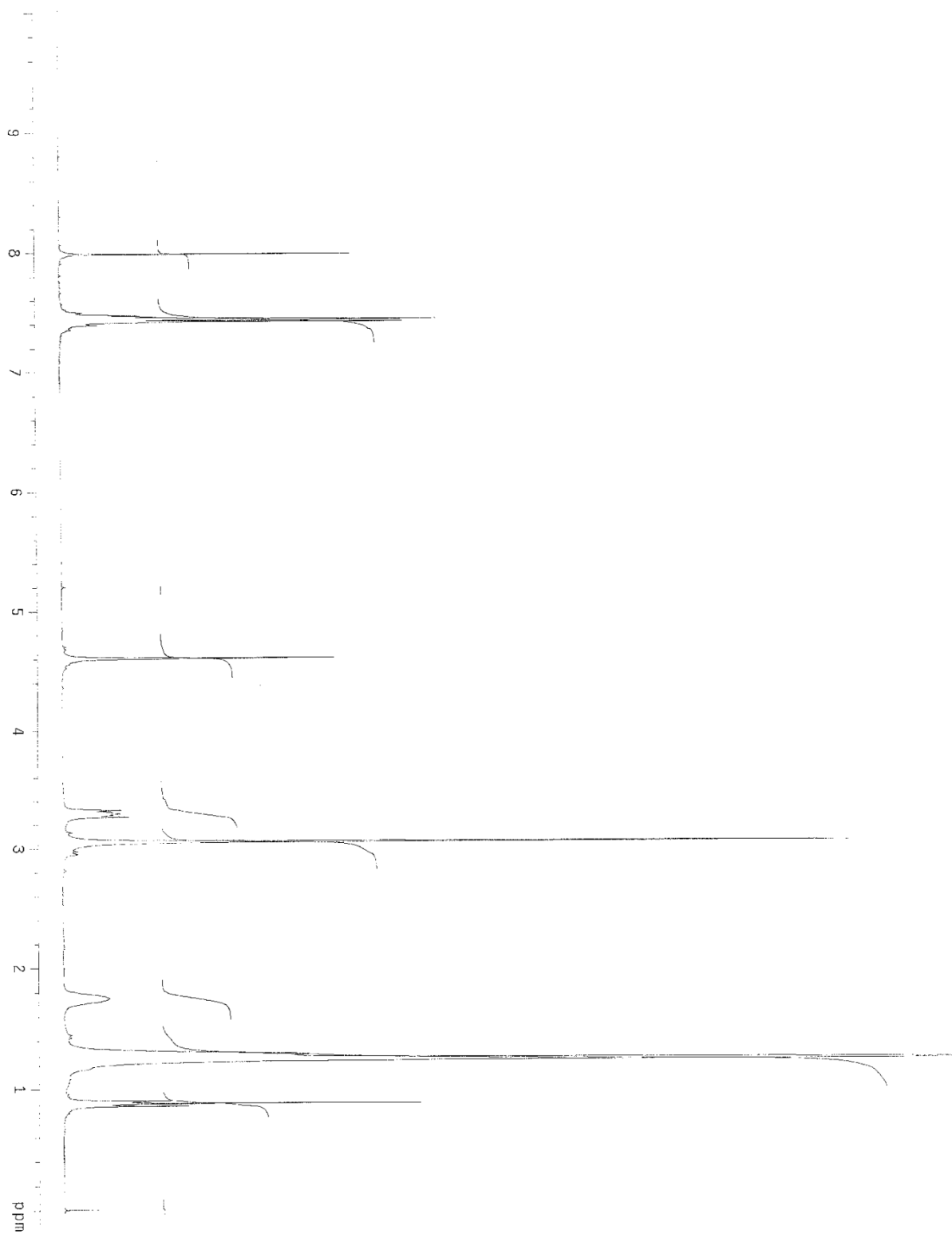
Benzalkonium benzotriazolate (**5**)¹H NMR



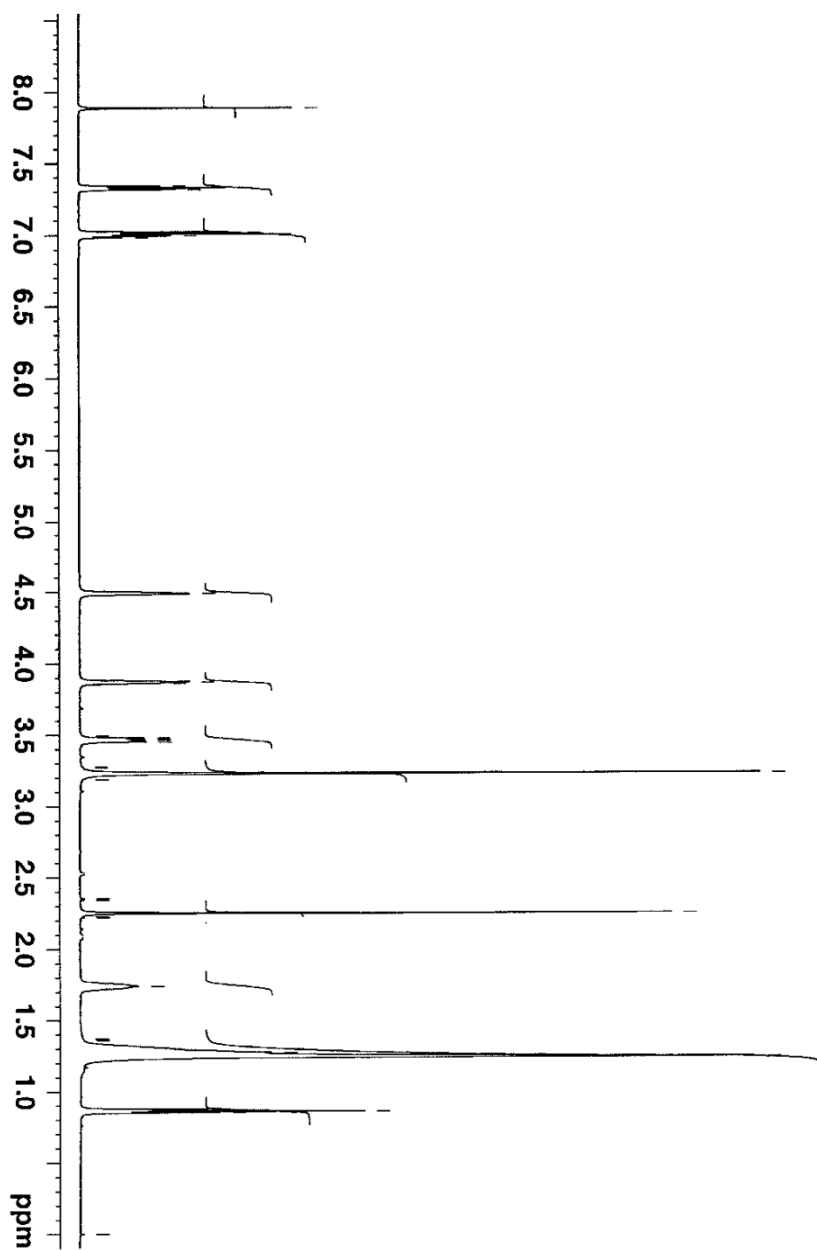
Benzalkonium 1,2,4-triazolate (**6**) ^1H NMR



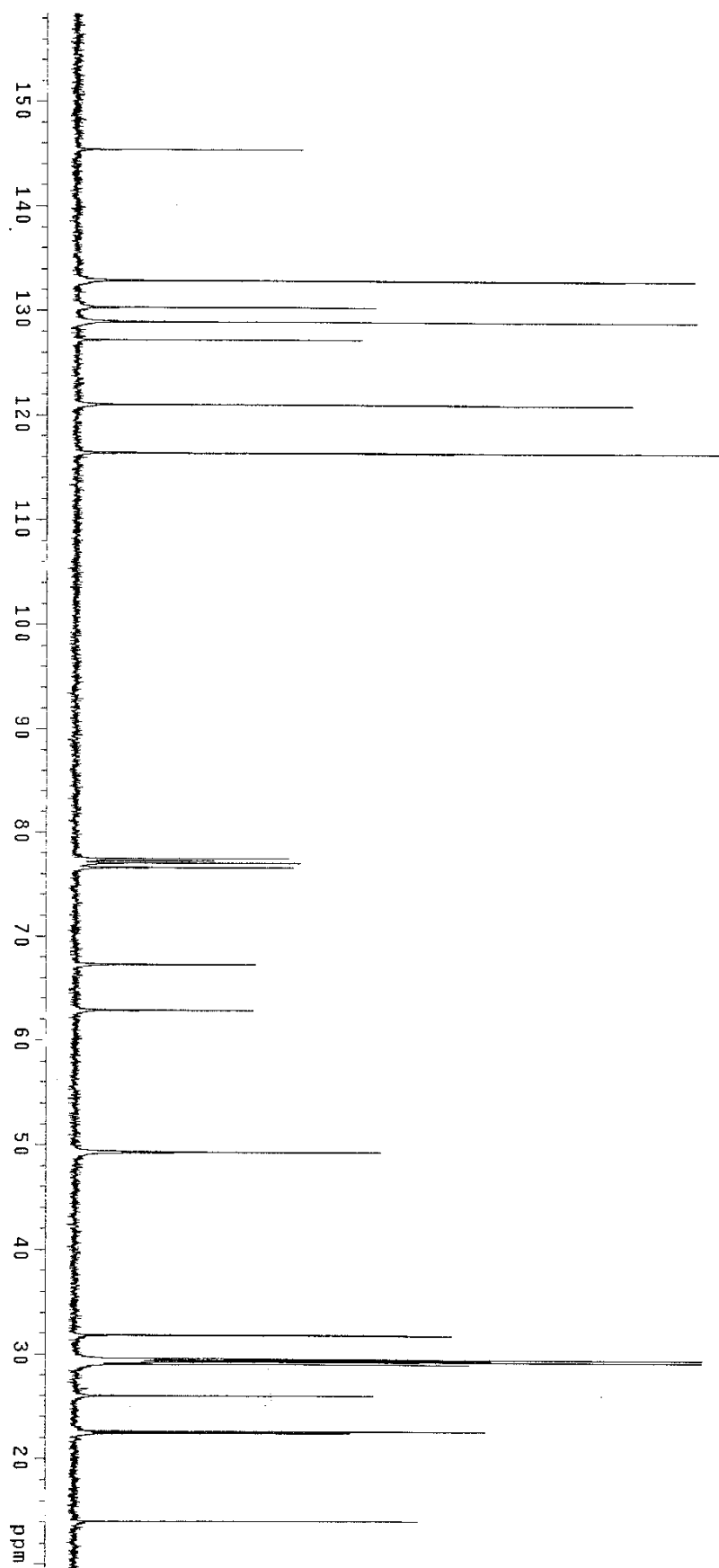
Benzalkonium 4-nitroimidazolate (**7**) ^1H NMR



Benzalkonium 2-methyl-4-nitroimidazolate (**8**) ^1H NMR



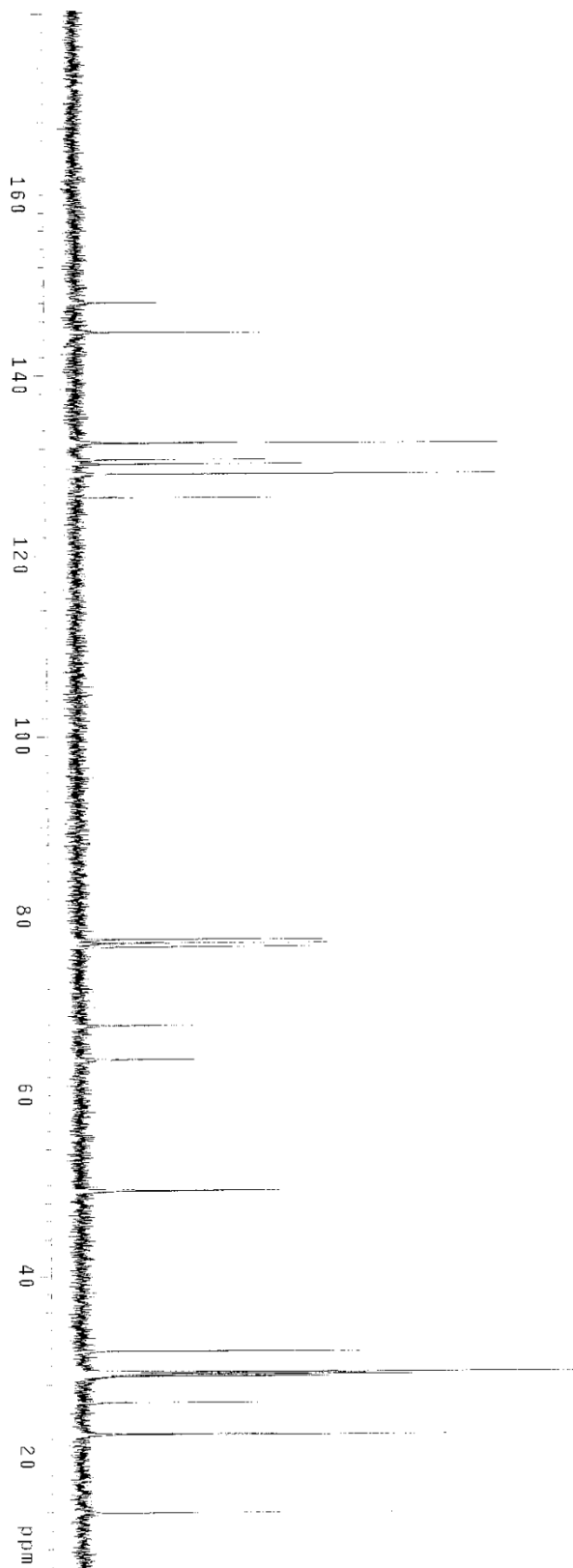
Benzalkonium benzotriazolate (**5**) ^{13}C NMR



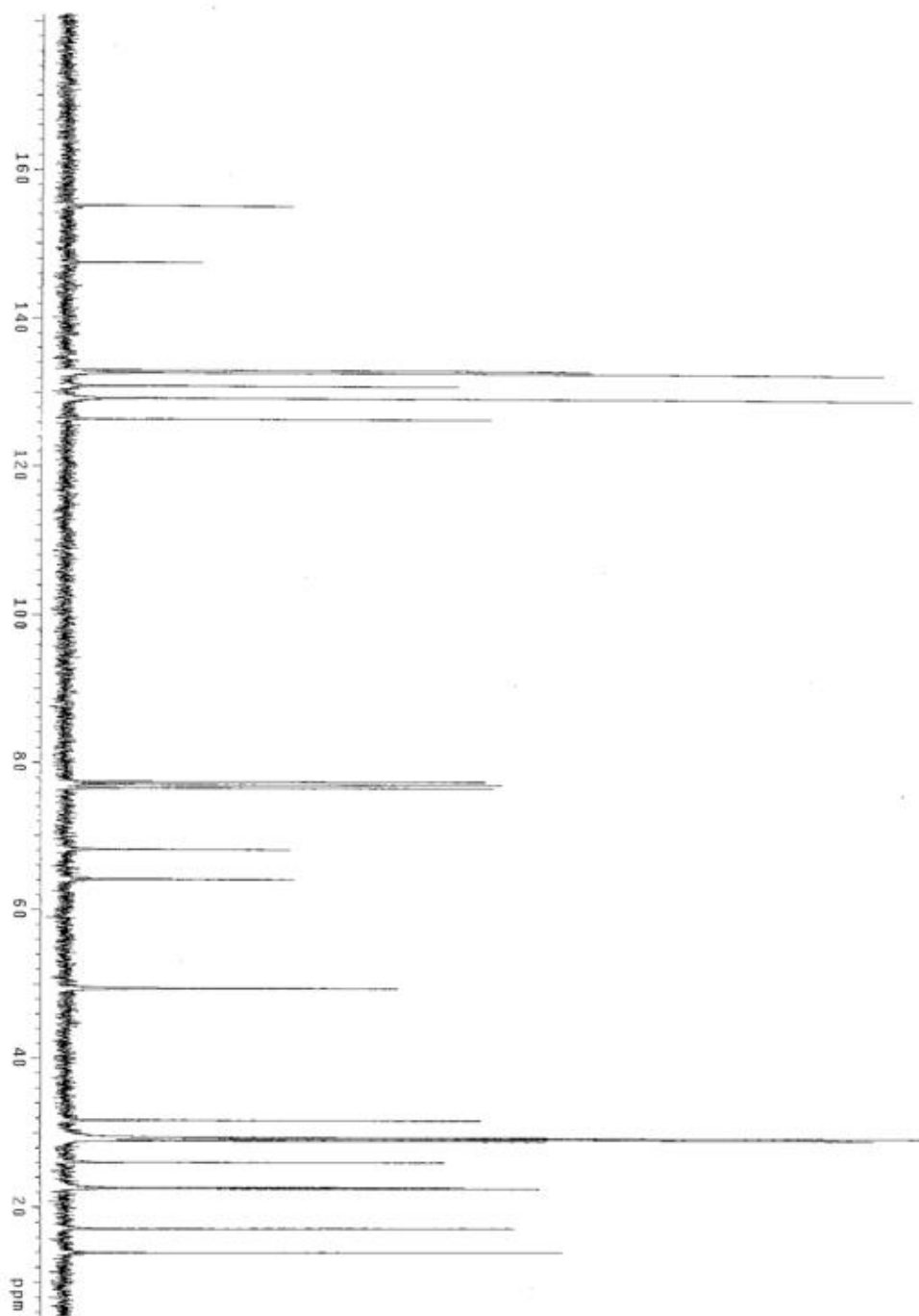
Benzalkonium 1,2,4-triazolate (**6**) ^{13}C NMR



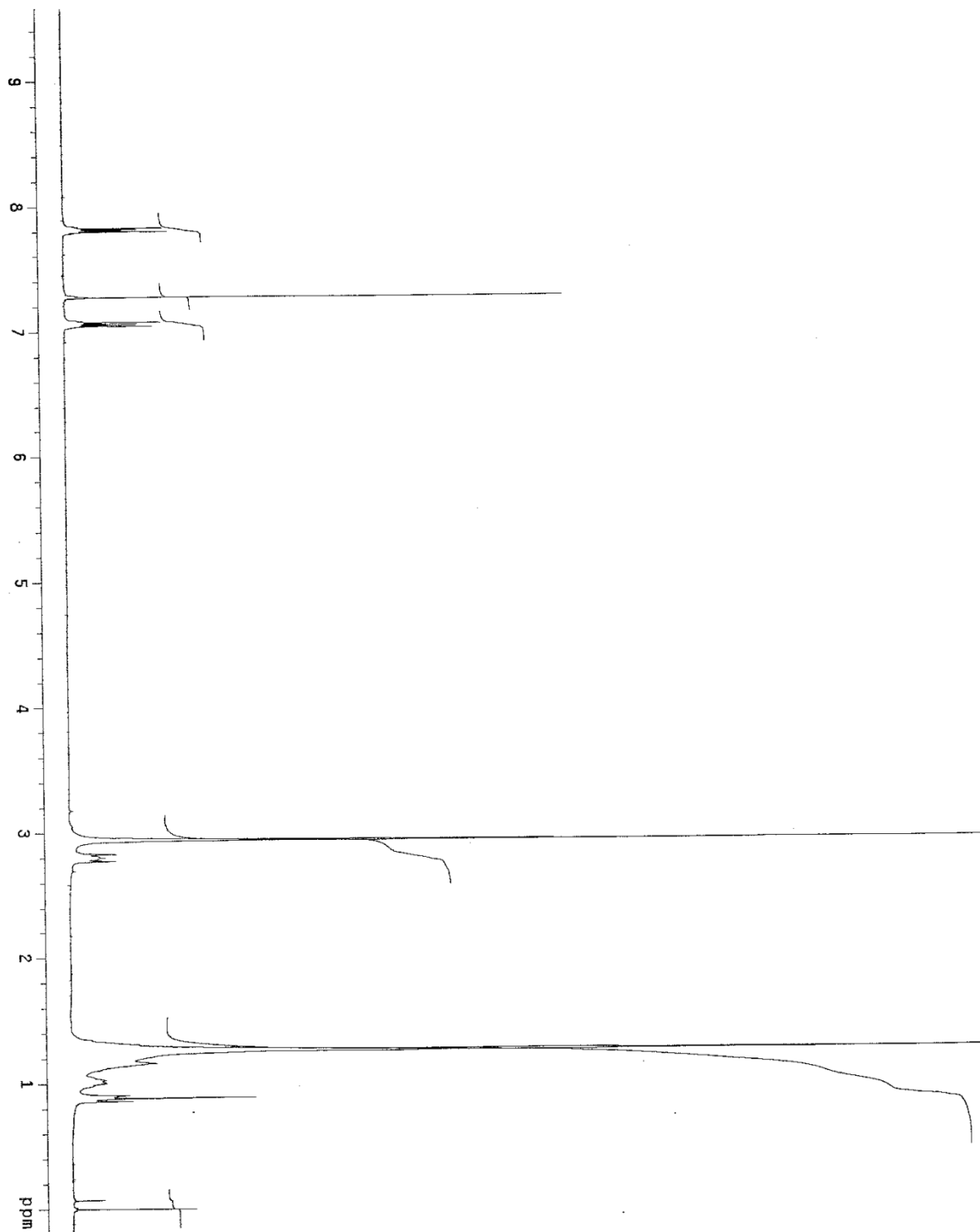
Benzalkonium 4-nitroimidazolate (**7**) ^{13}C NMR



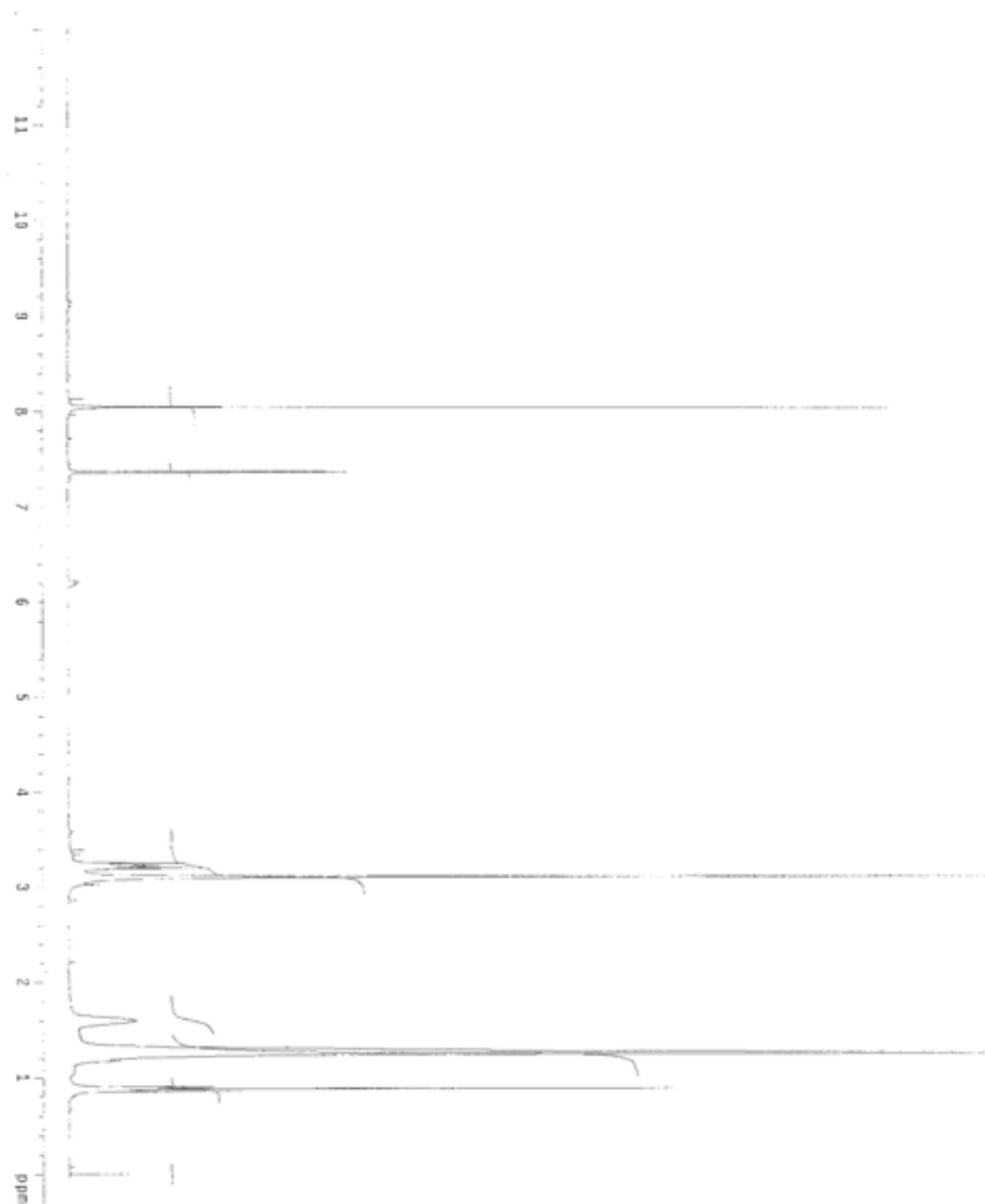
Benzalkonium 2-methyl-4-nitroimidazole (**8**) ^{13}C NMR



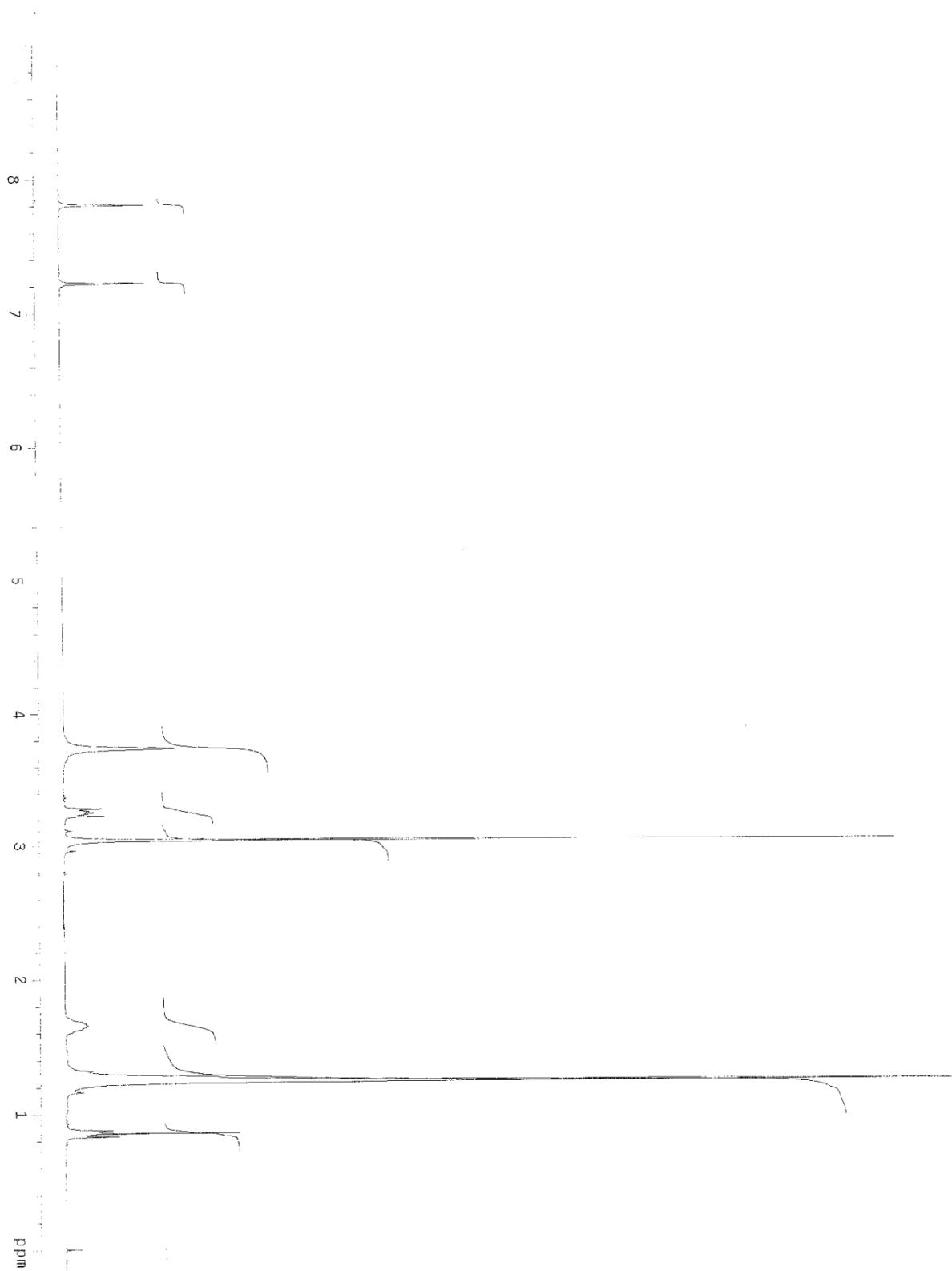
Hexadecyltrimethylammonium benzotriazolate (9) ^1H NMR



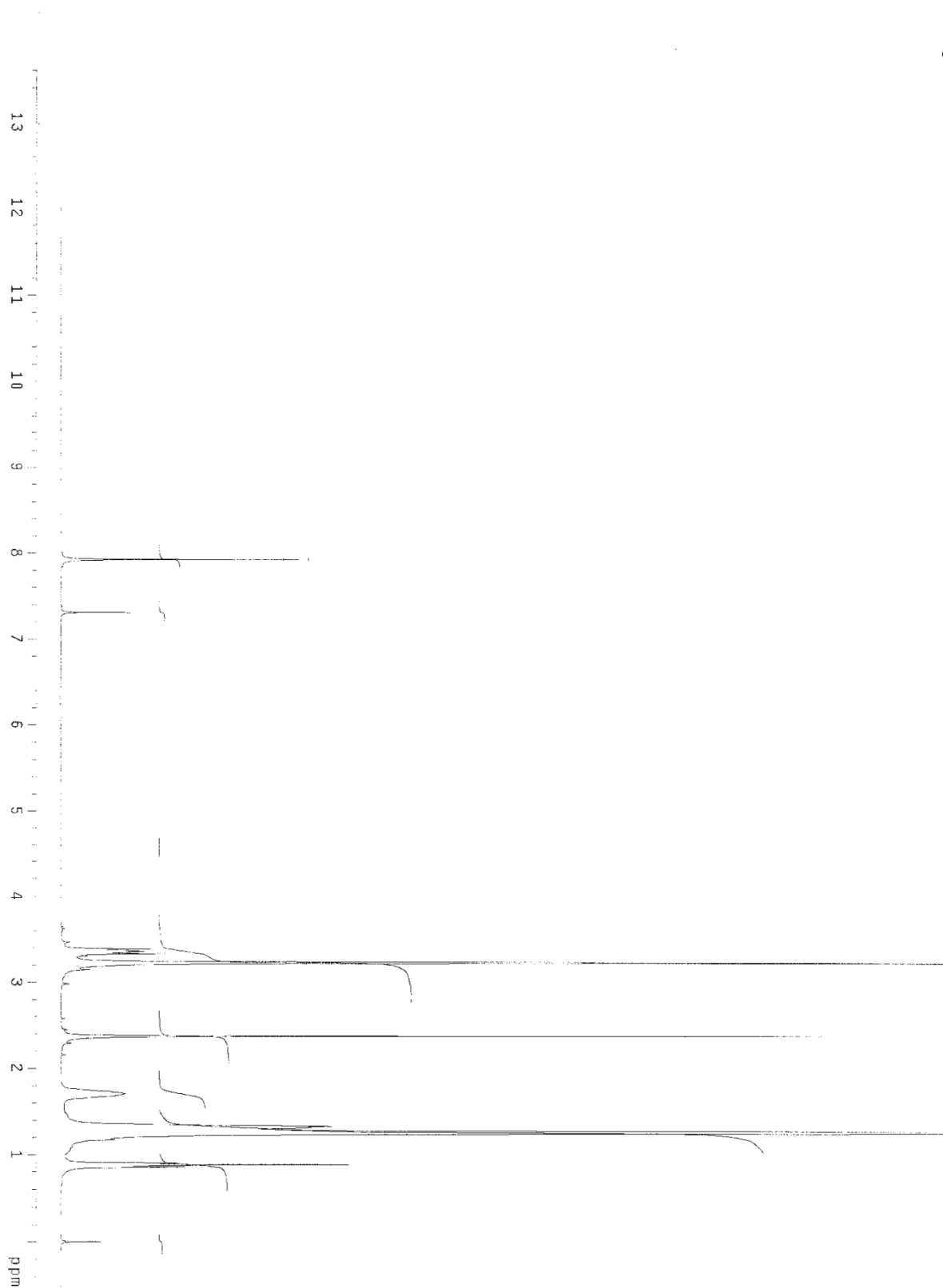
Hexadecyltrimethylammonium 1,2,4-triazolate (**10**) ^1H NMR



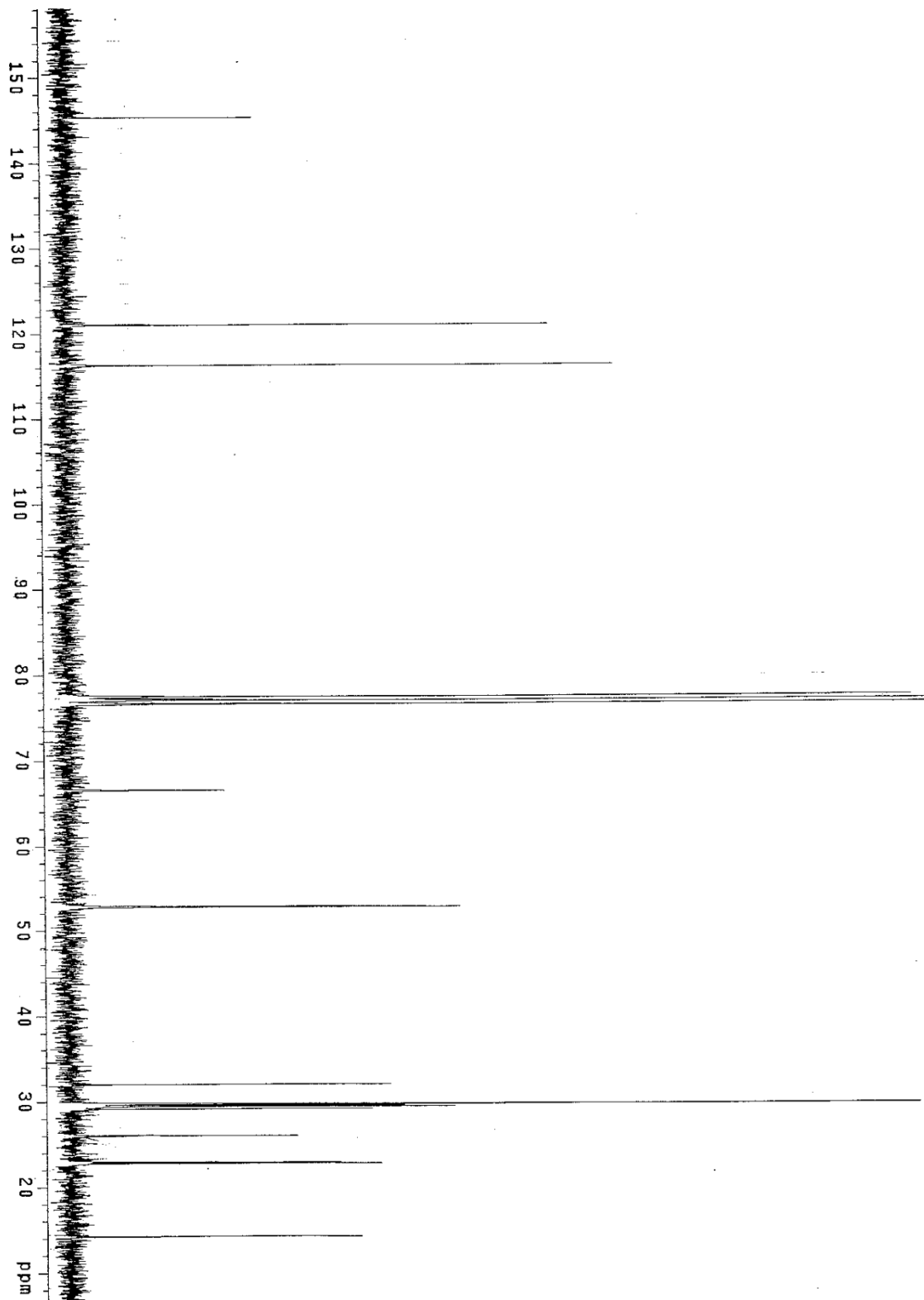
Hexadecyltrimethylammonium 4-nitroimidazolate (**11**) ^1H NMR



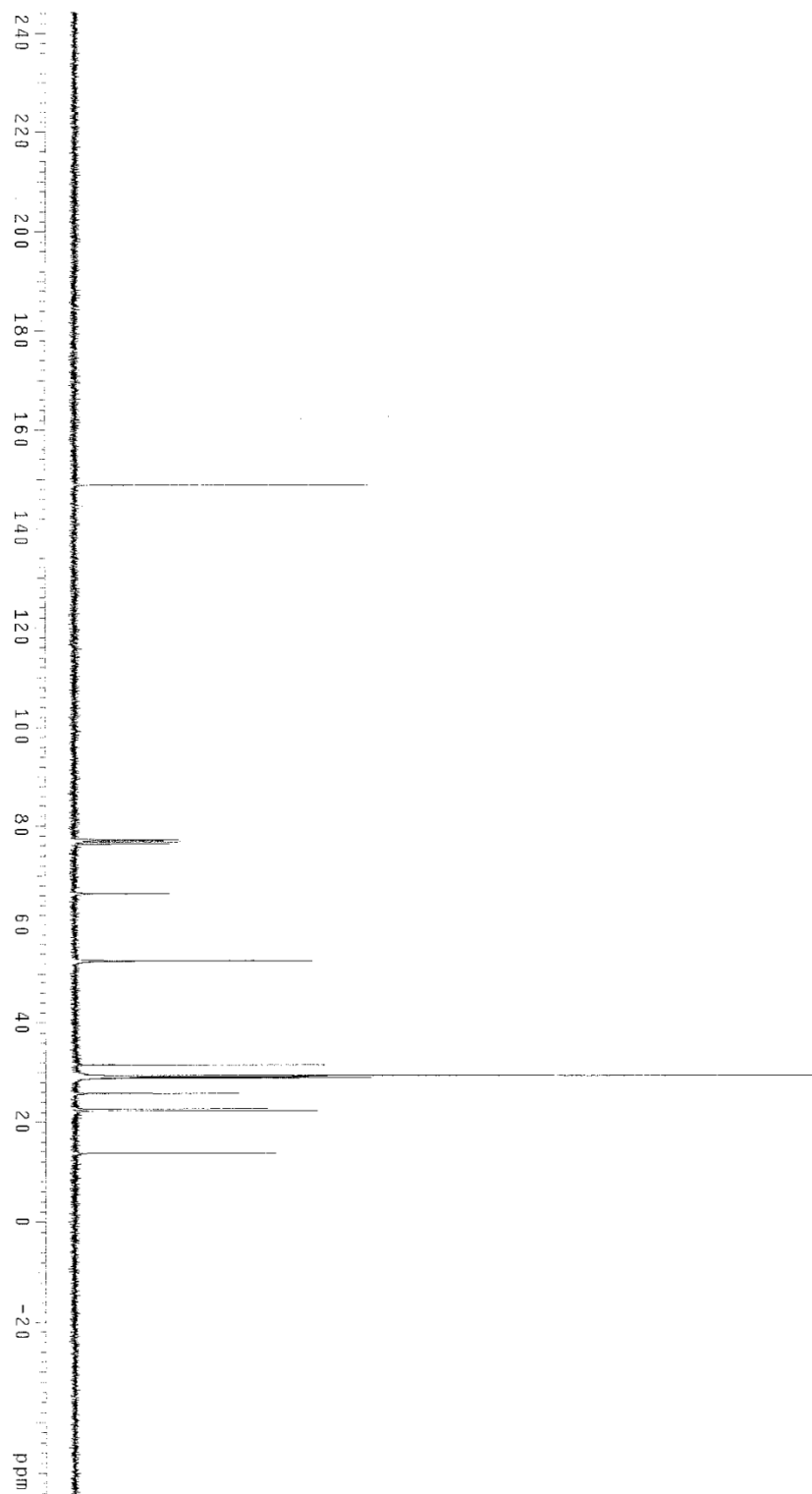
Hexadecyltrimethylammonium 2-methyl-4-nitroimidazole (12) ^1H NMR



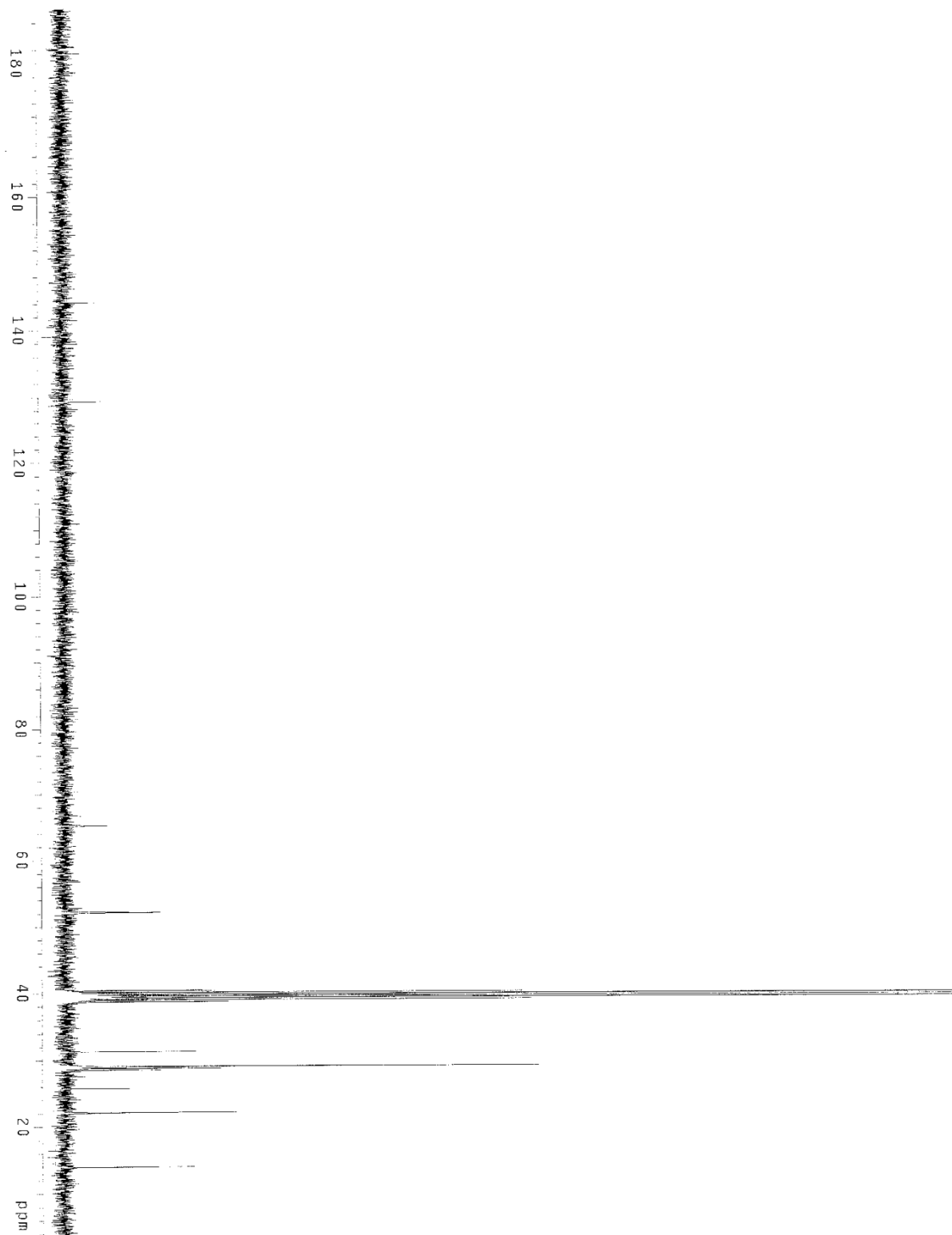
Hexadecyltrimethylammonium benzotriazolate (9) ^{13}C NMR



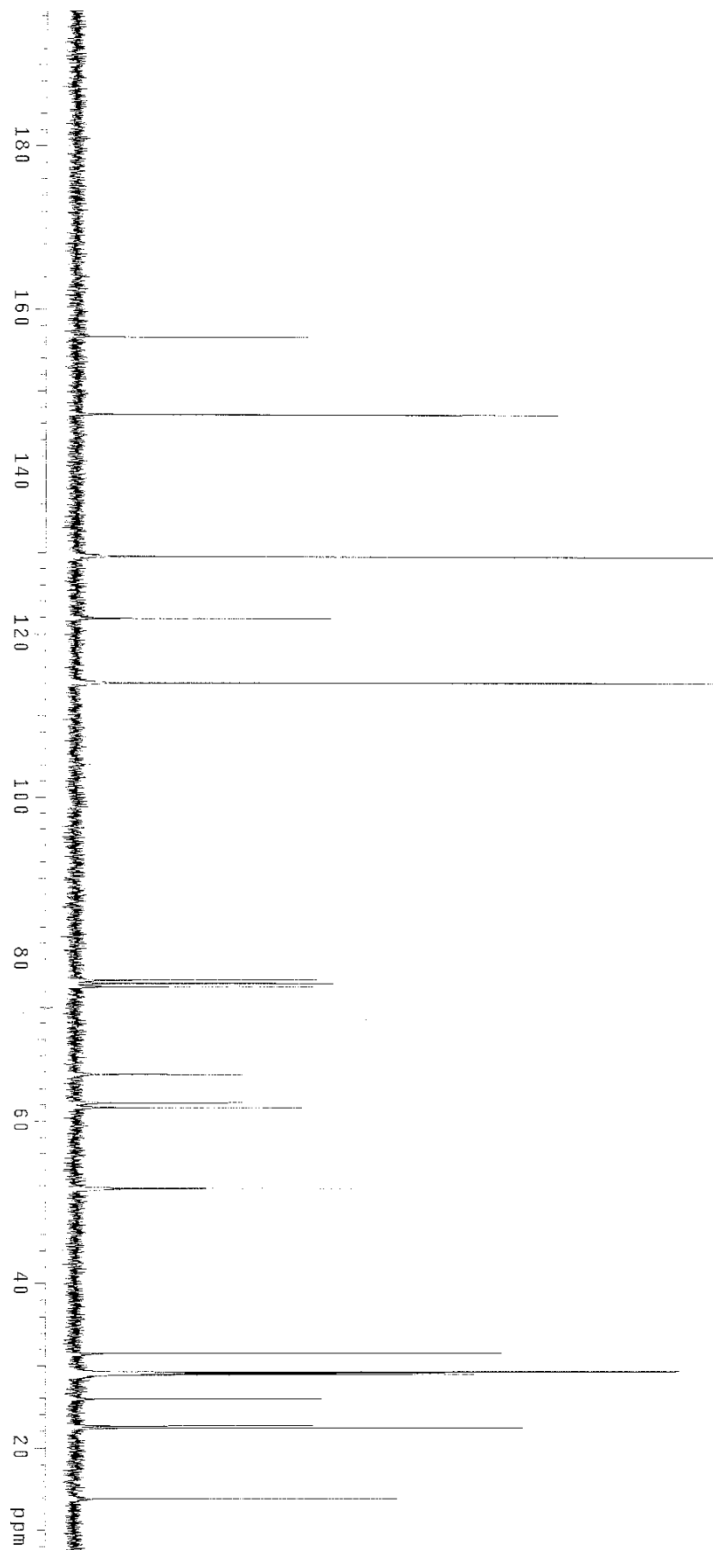
Hexadecyltrimethylammonium 1,2,4-triazolate (**10**) ^{13}C NMR



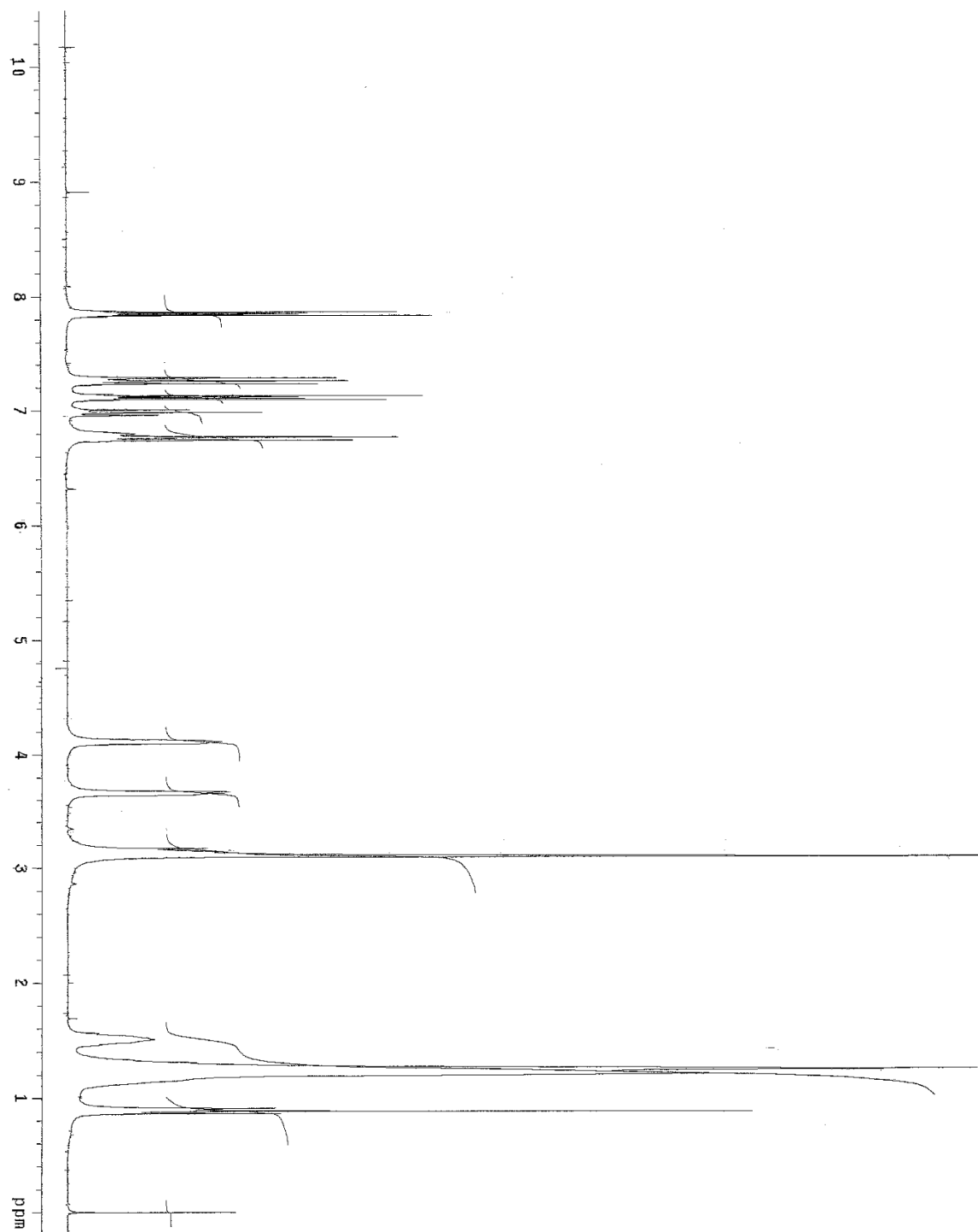
Hexadecyltrimethylammonium 4-nitroimidazolate (**11**) ^{13}C NMR



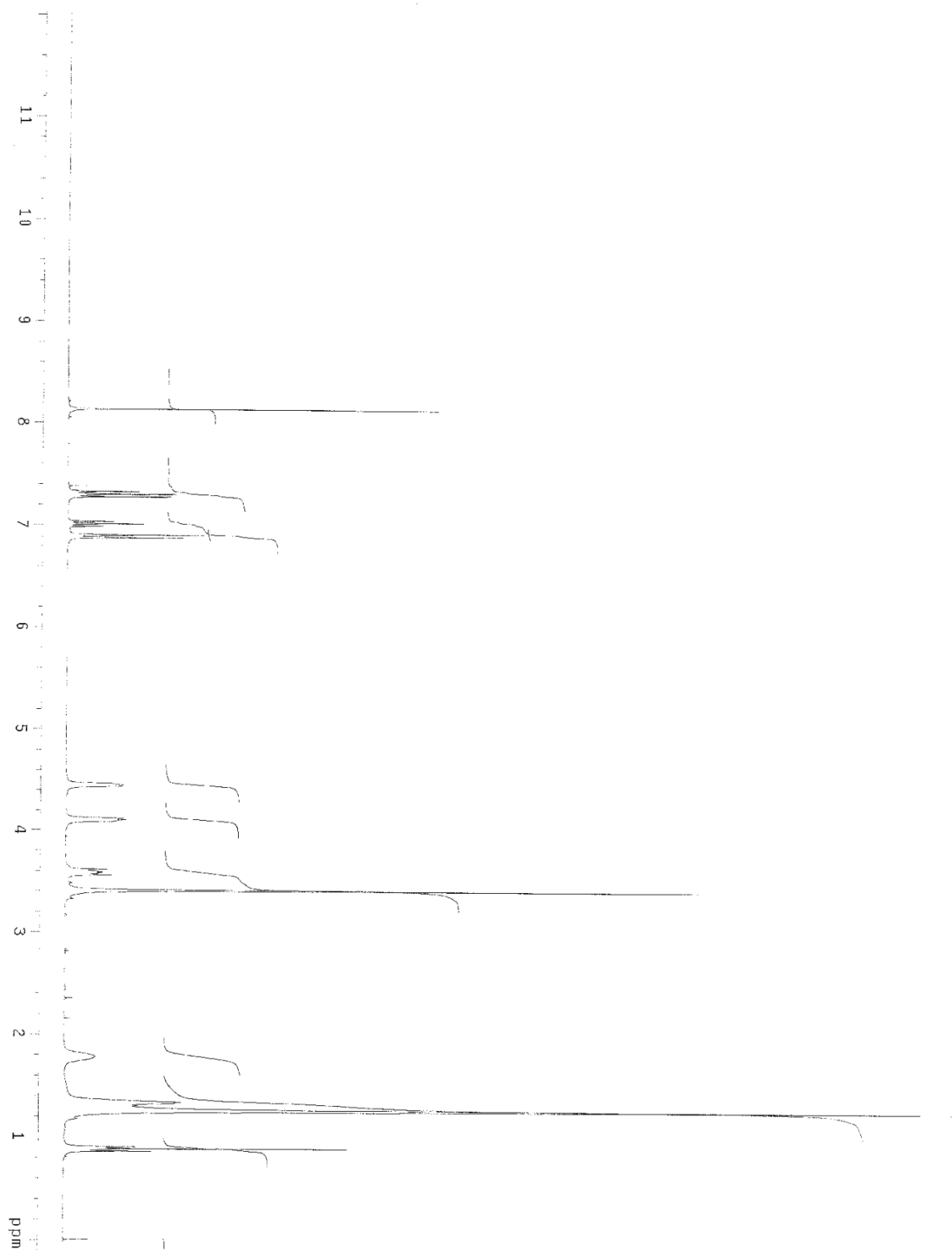
Hexadecyltrimethylammonium 2-methyl-4-nitroimidazole (12) ^{13}C NMR



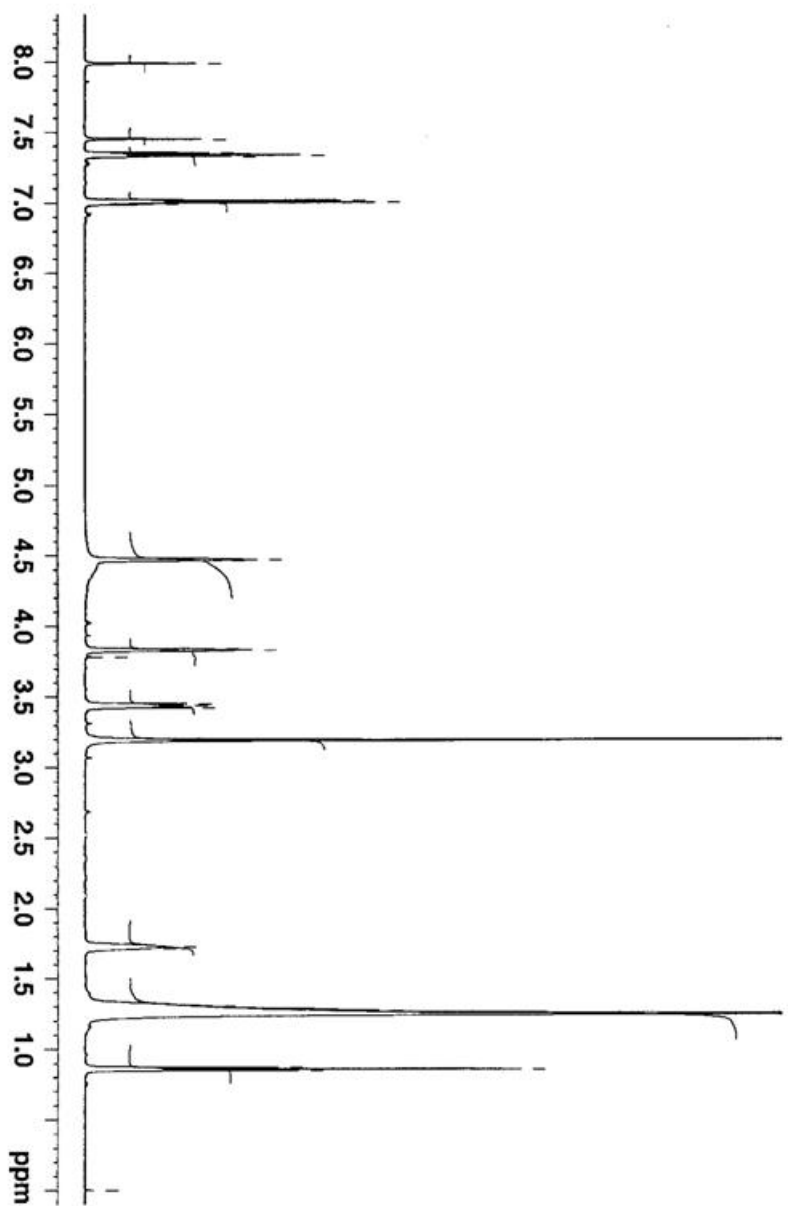
Domiphen benzotriazolate (**13**) ^1H NMR



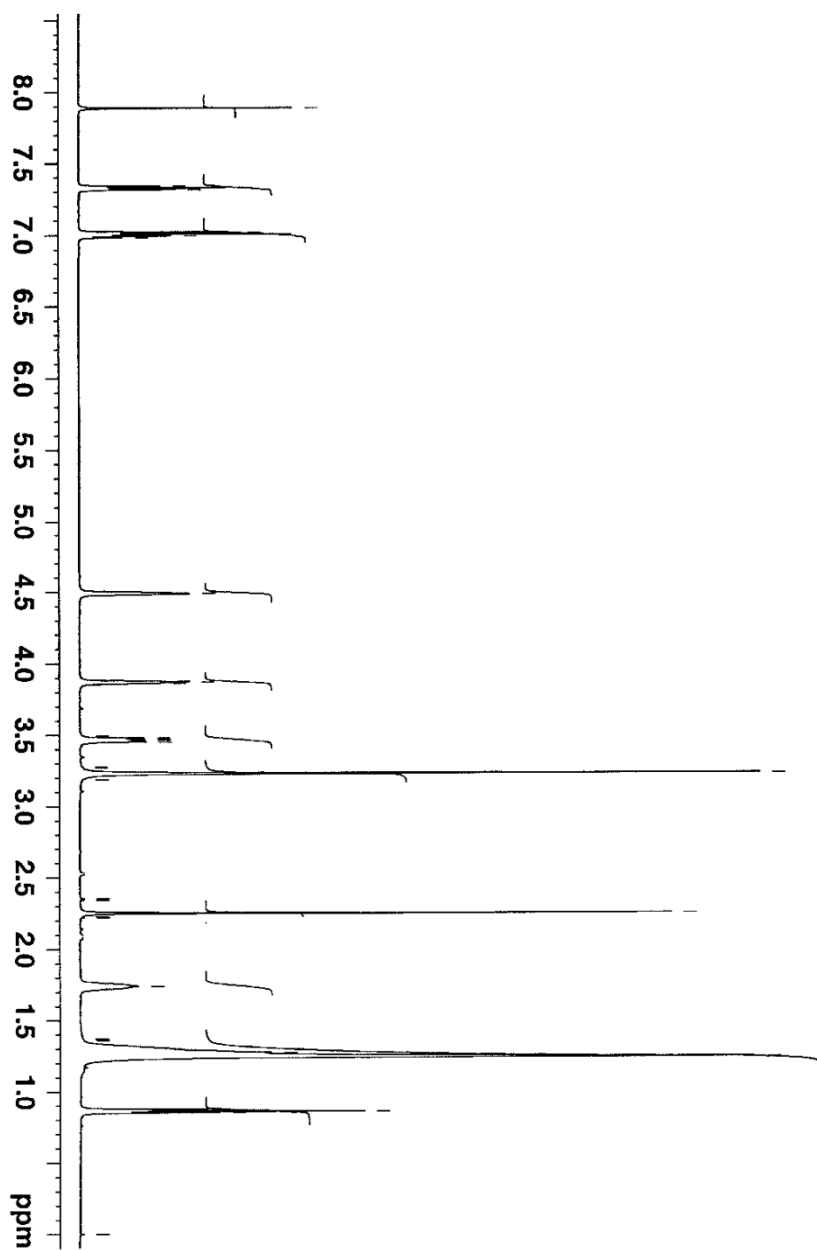
Domiphen 1,2,4-triazolate (**14**) ^1H NMR



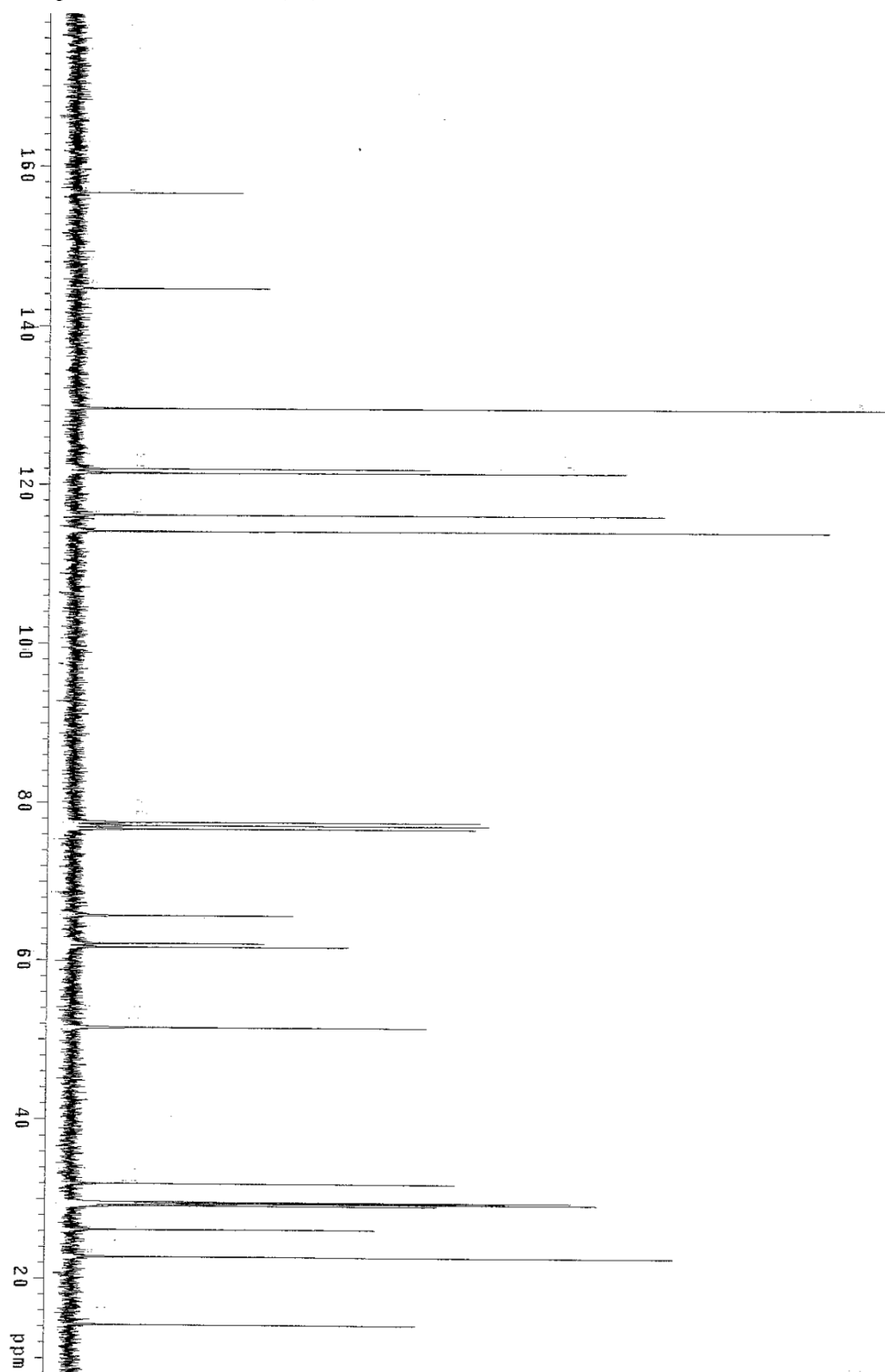
Domiphen 4-nitroimidazolate (**15**) ^1H NMR



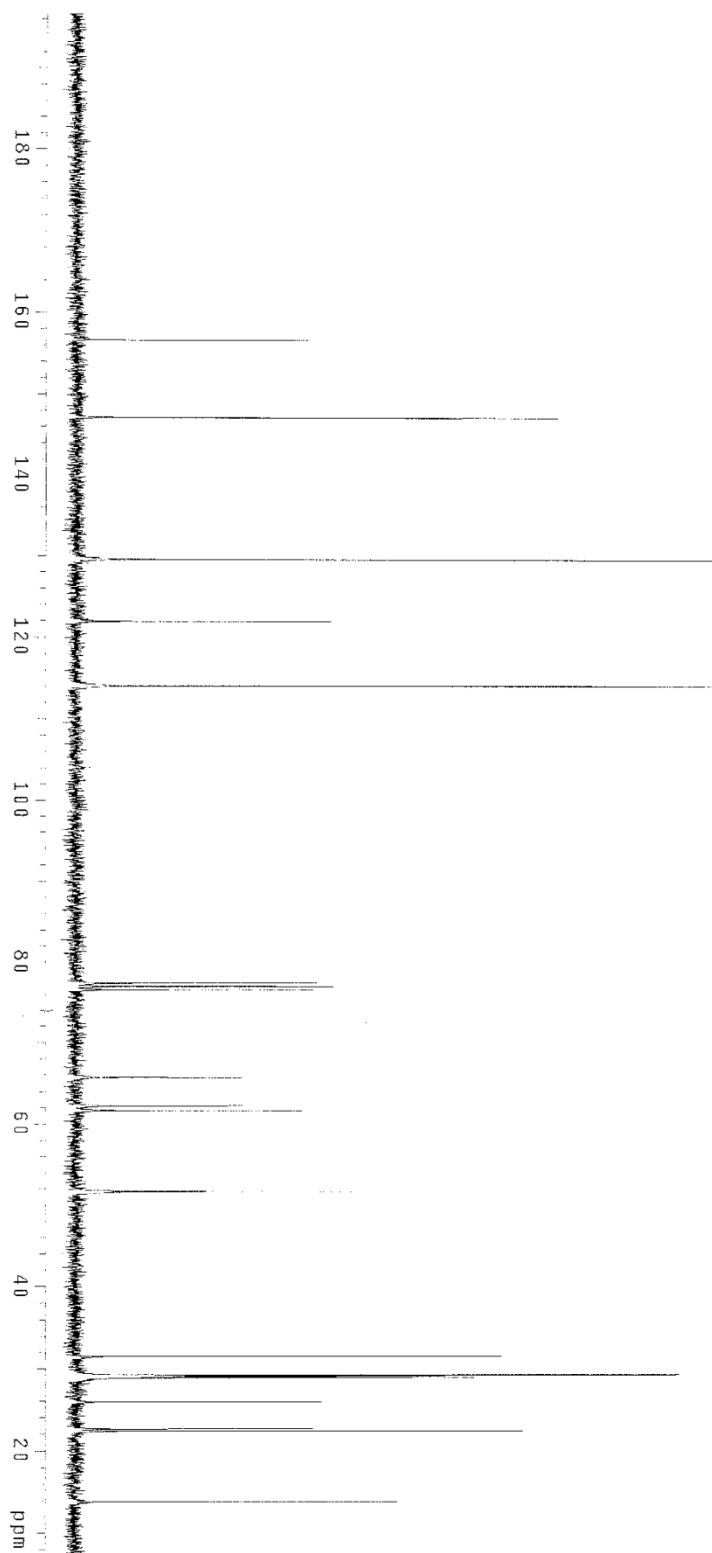
Domiphen 2-methyl-4-nitroimidazolate (**16**) ^1H NMR



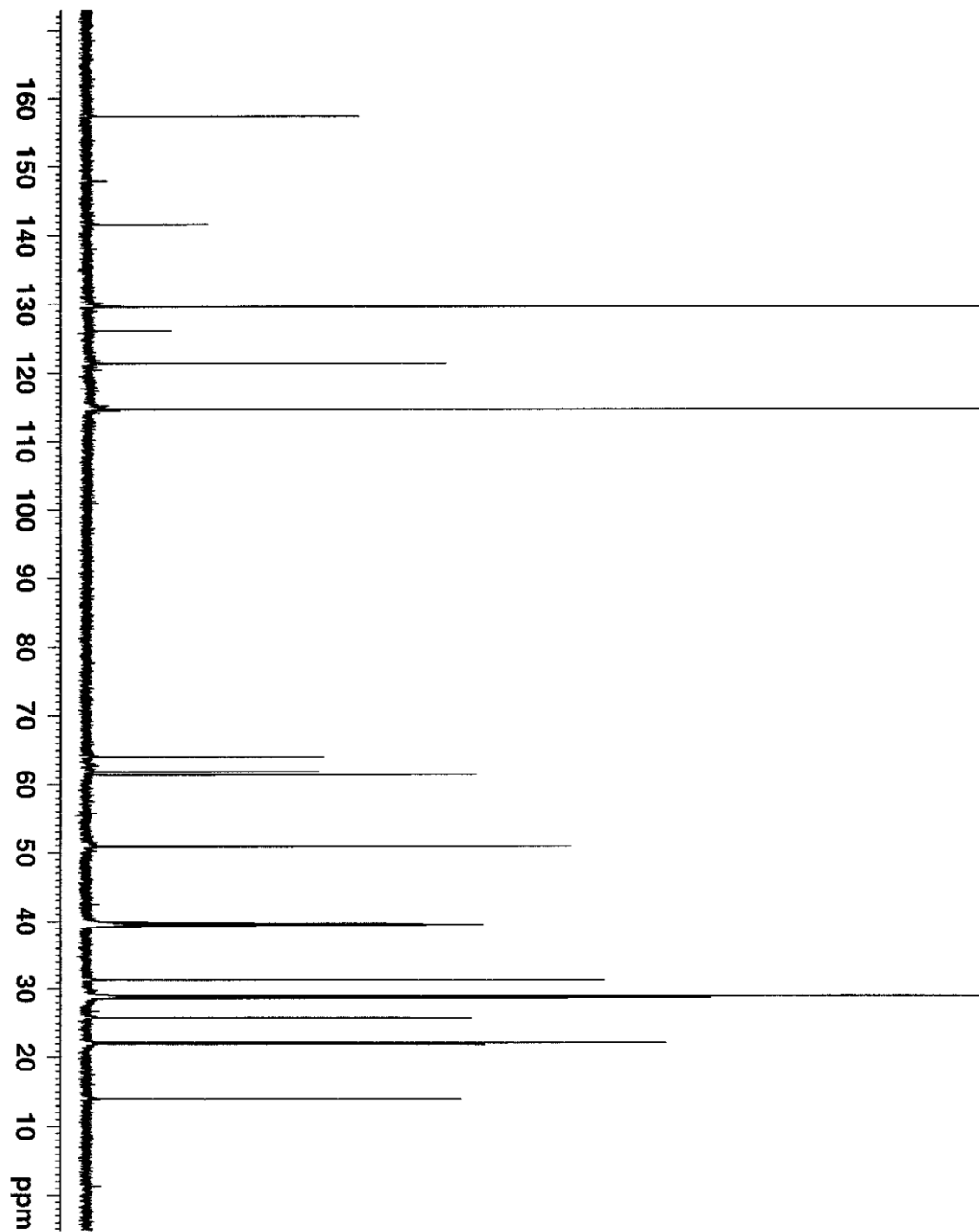
Domiphen benzotriazolate (**13**) ^{13}C NMR



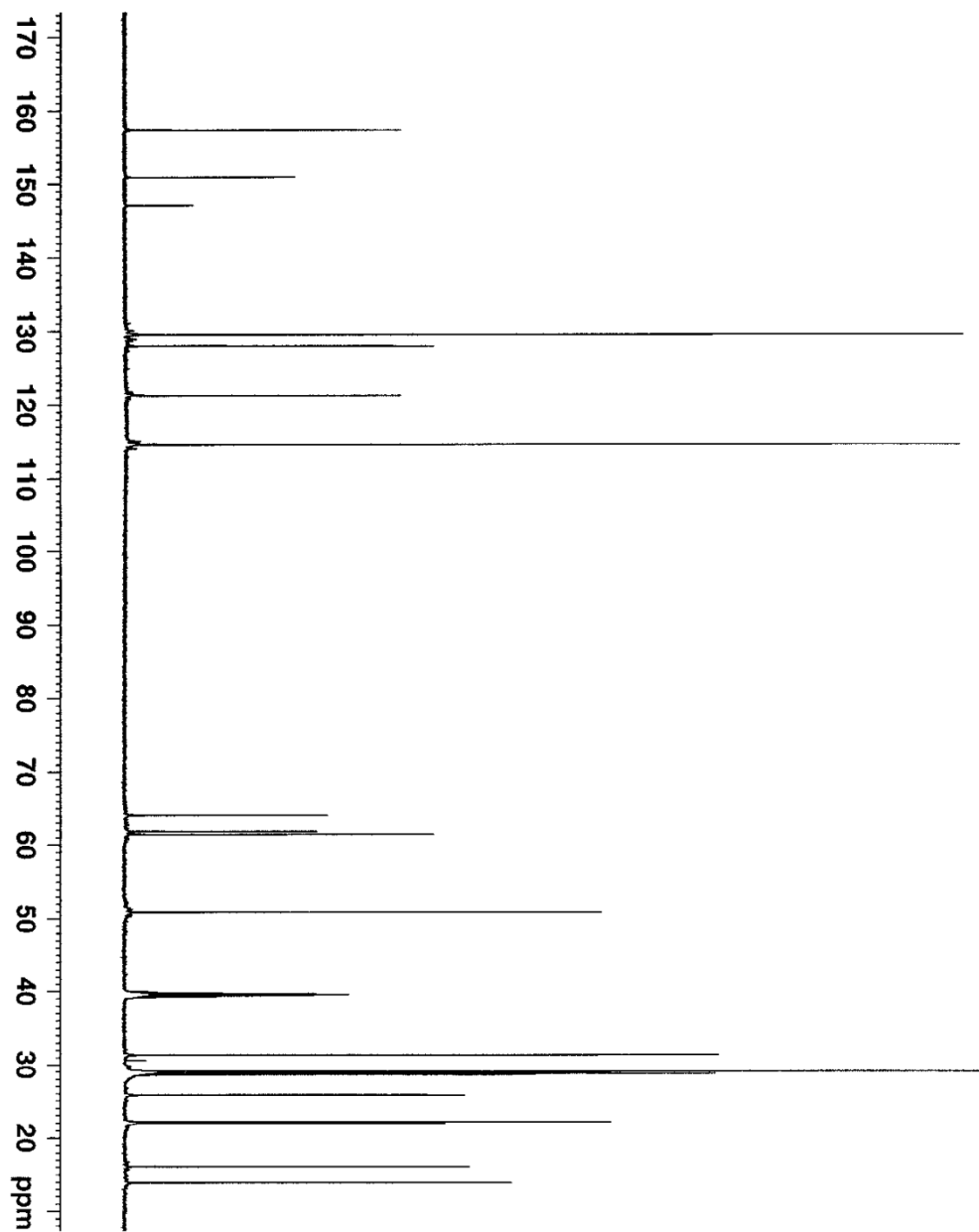
Domiphen 1,2,4-triazolate (**14**) ^{13}C NMR



Domiphen 4-nitroimidazolate (**15**) ^{13}C NMR

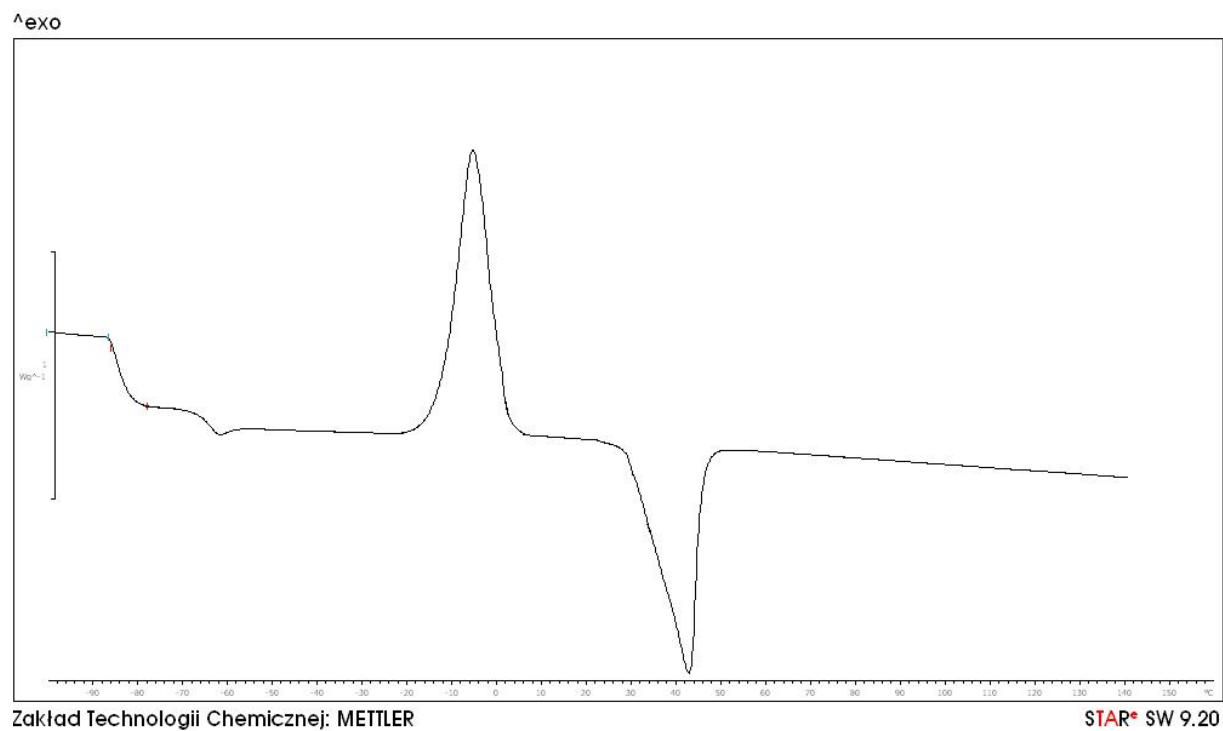


Domiphen 2-methyl-4-nitroimidazolate (**16**) ^{13}C NMR

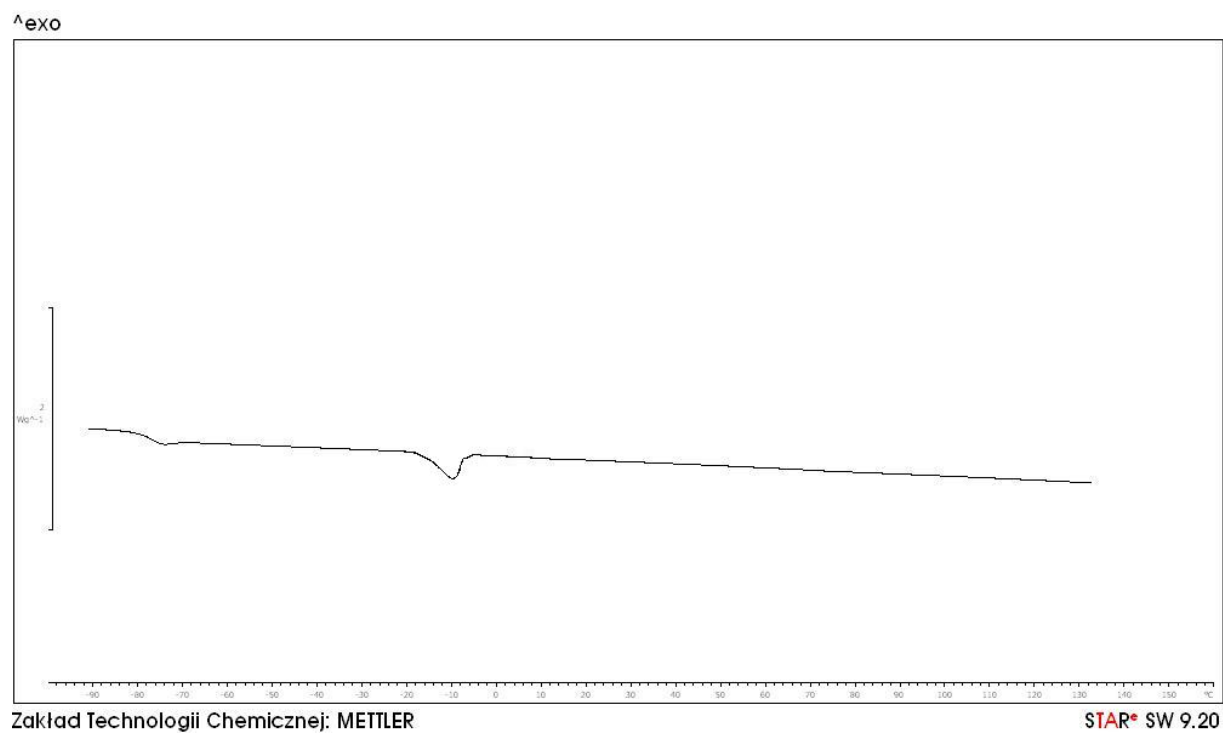


Supporting information - DSC curves

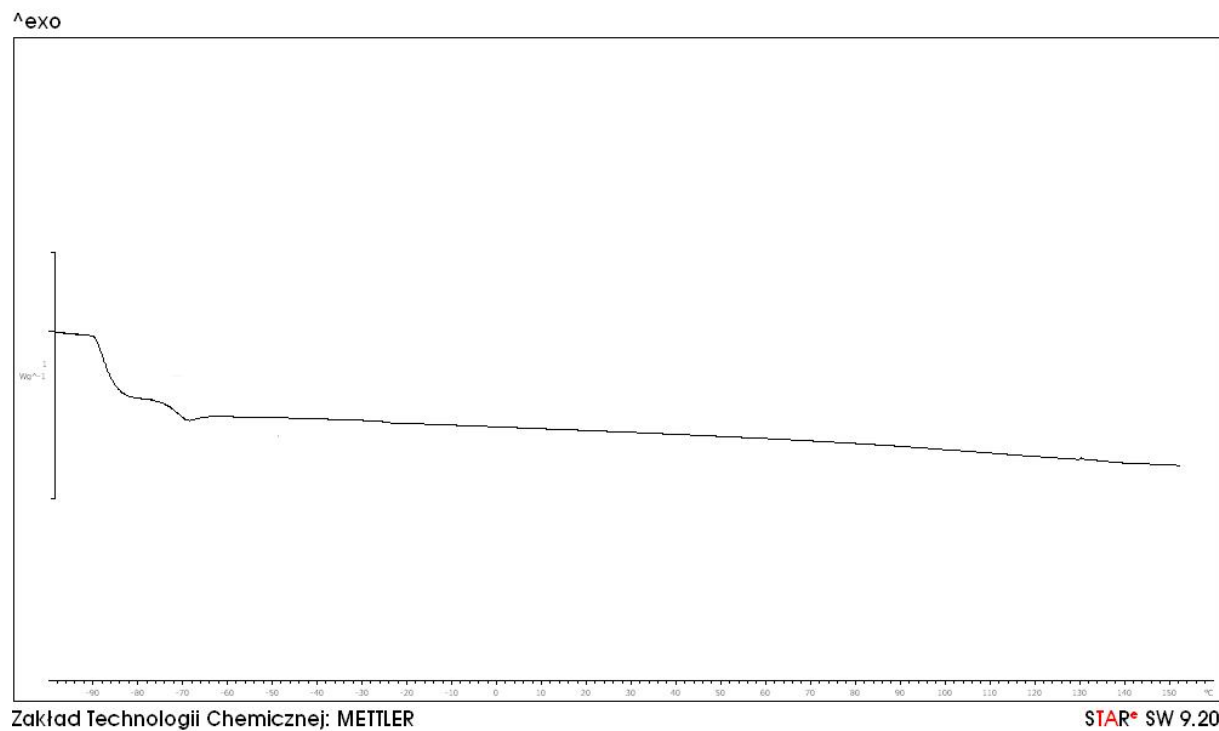
Didecyldimethylammonium benzotriazolate (1)



Didecyldimethylammonium 1,2,4-triazolate (2)

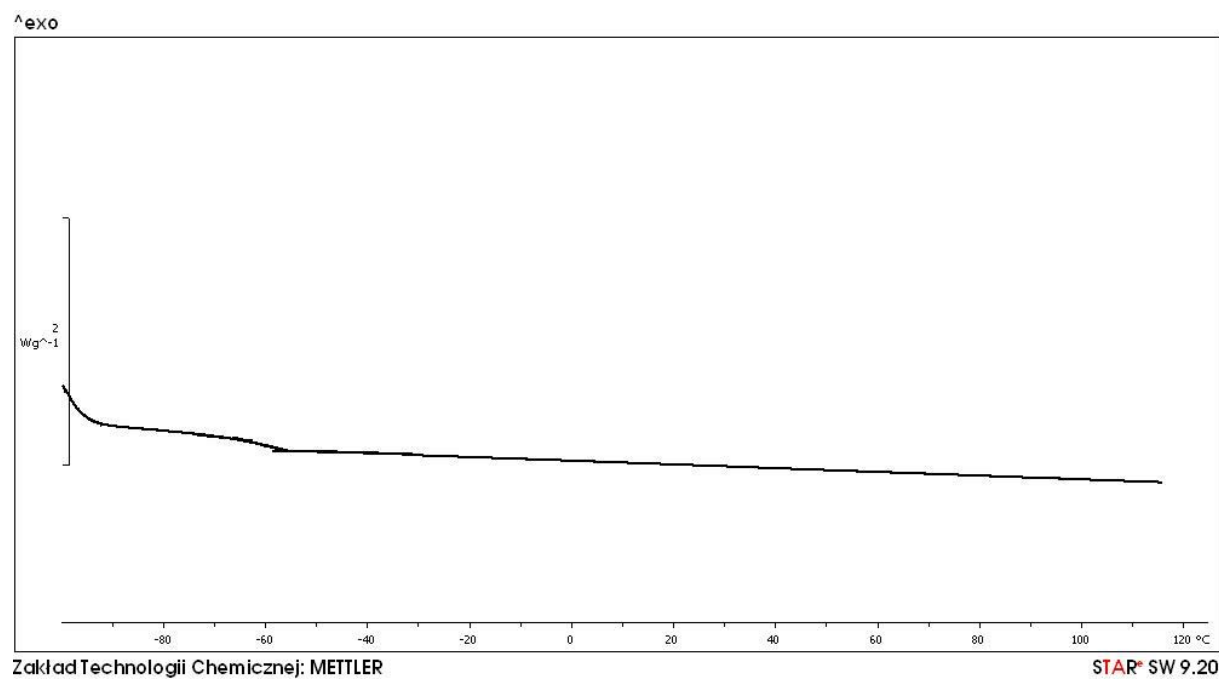


Didecyldimethylammonium 4-nitroimidazolate (3)



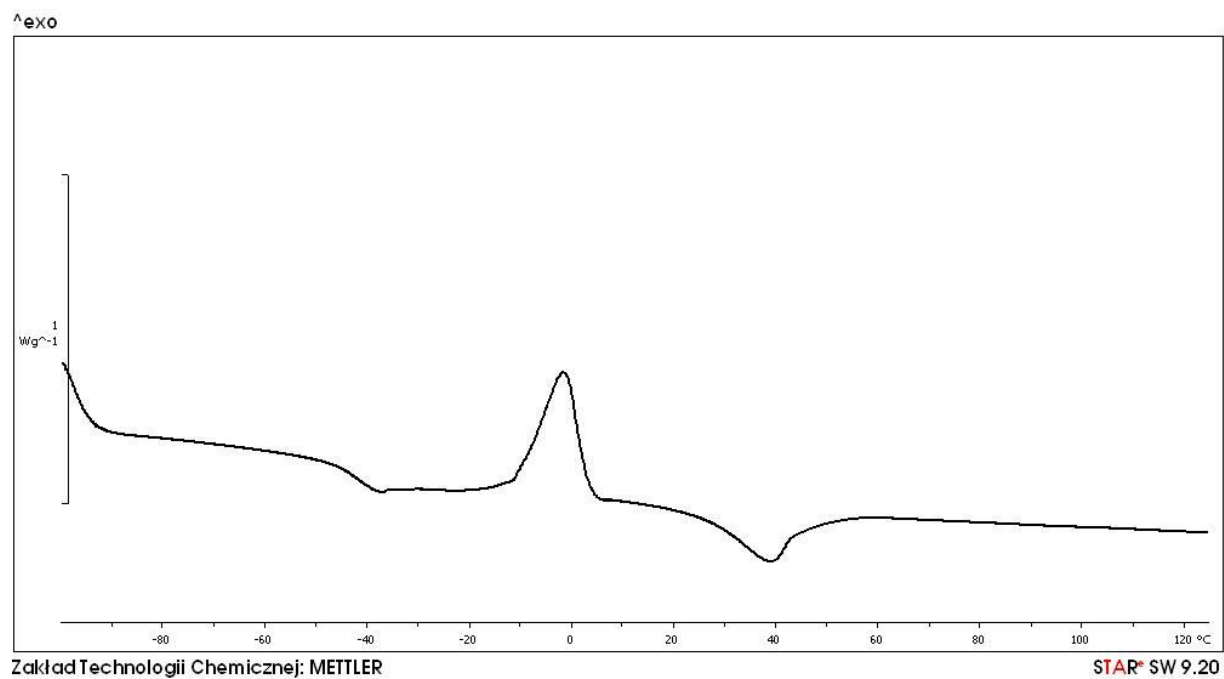
Zakład Technologii Chemicznej; METTLER

Didecyldimethylammonium 2-methyl-4-nitroimidazolate (4)

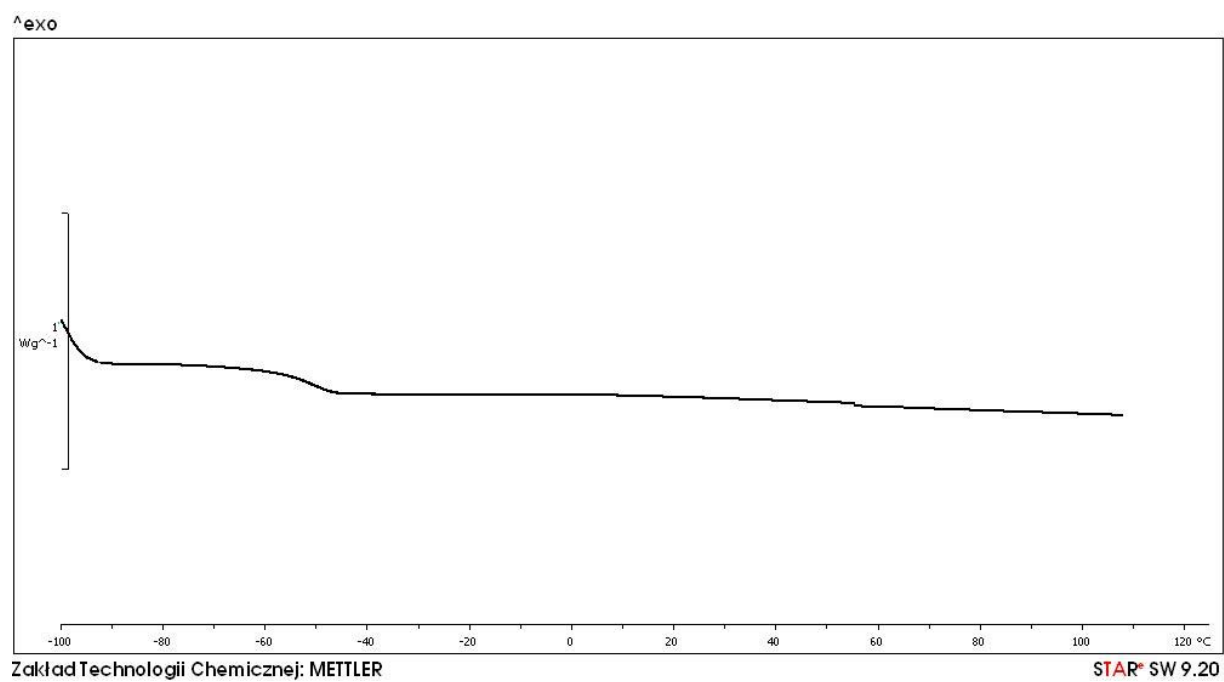


Zakład Technologii Chemicznej; METTLER

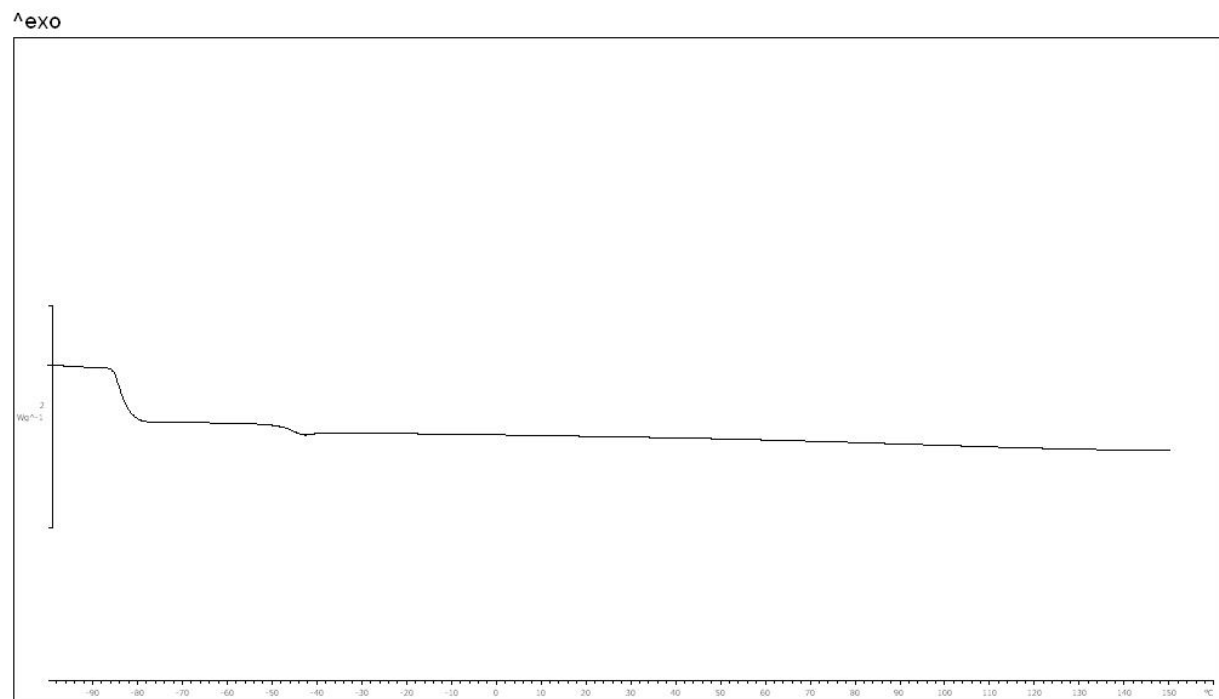
Benzalkonium benzotriazolate (5)



Benzalkonium 1,2,4-triazolate (6)



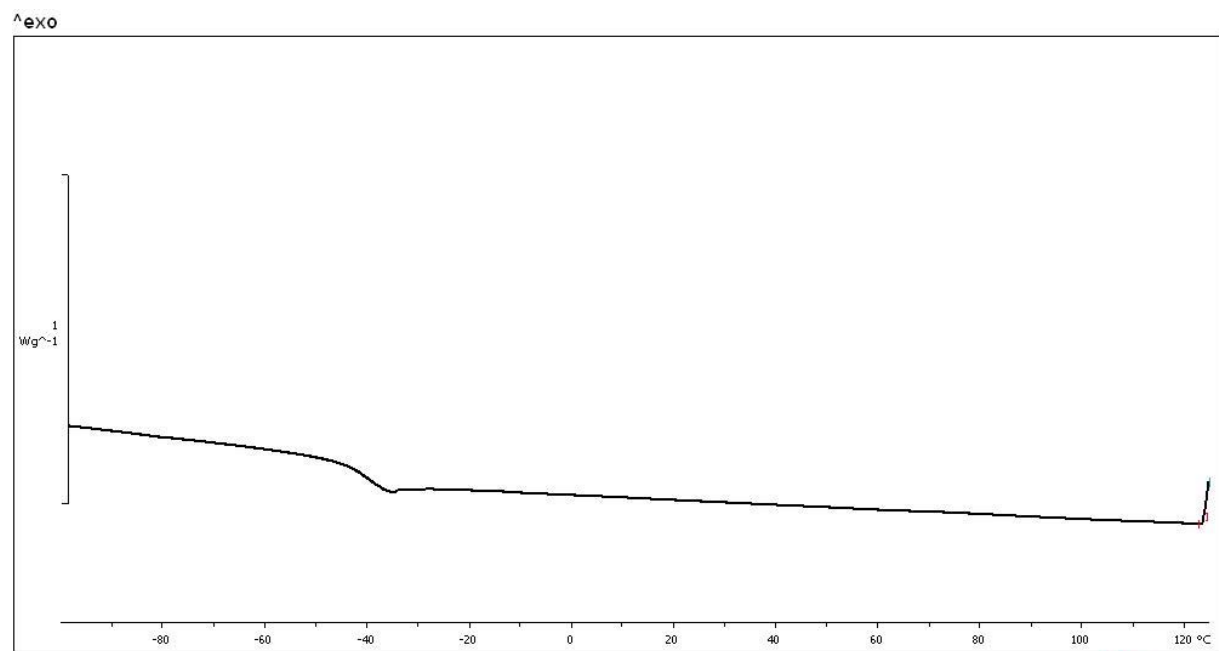
Benzalkonium 4-nitroimidazolate (7)



Zakład Technologii Chemicznej: METTLER

STAR® SW 9.20

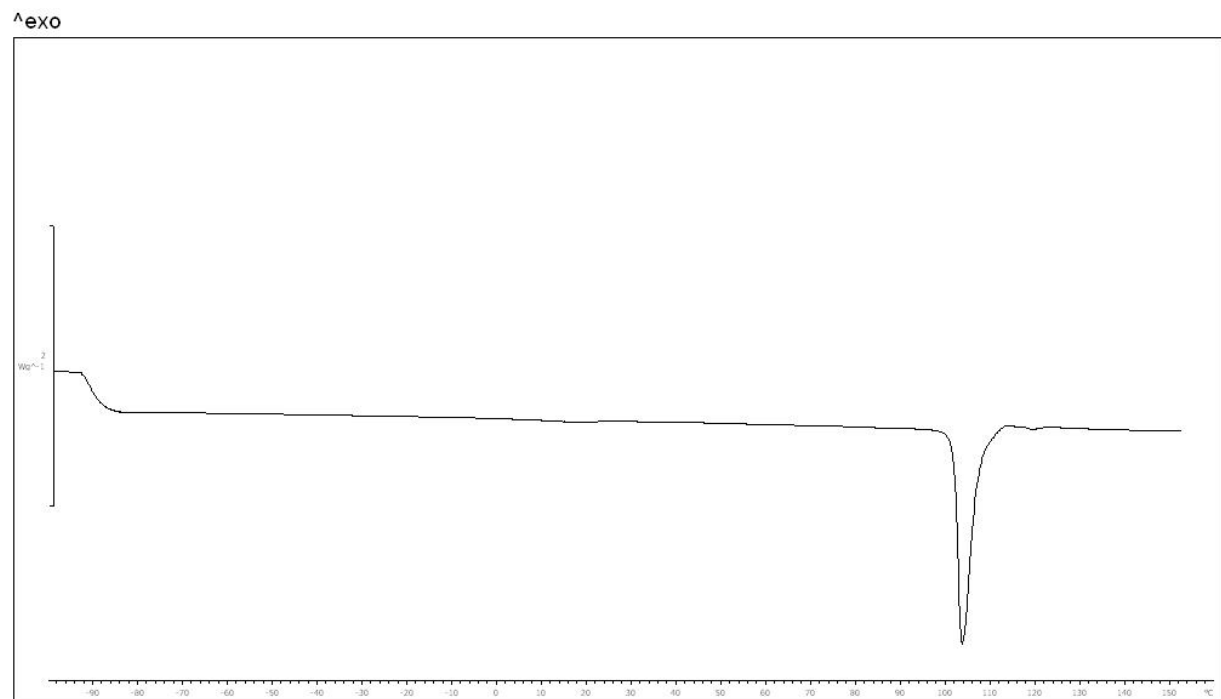
Benzalkonium 2-methyl-4-nitroimidazolate (8)



Zakład Technologii Chemicznej: METTLER

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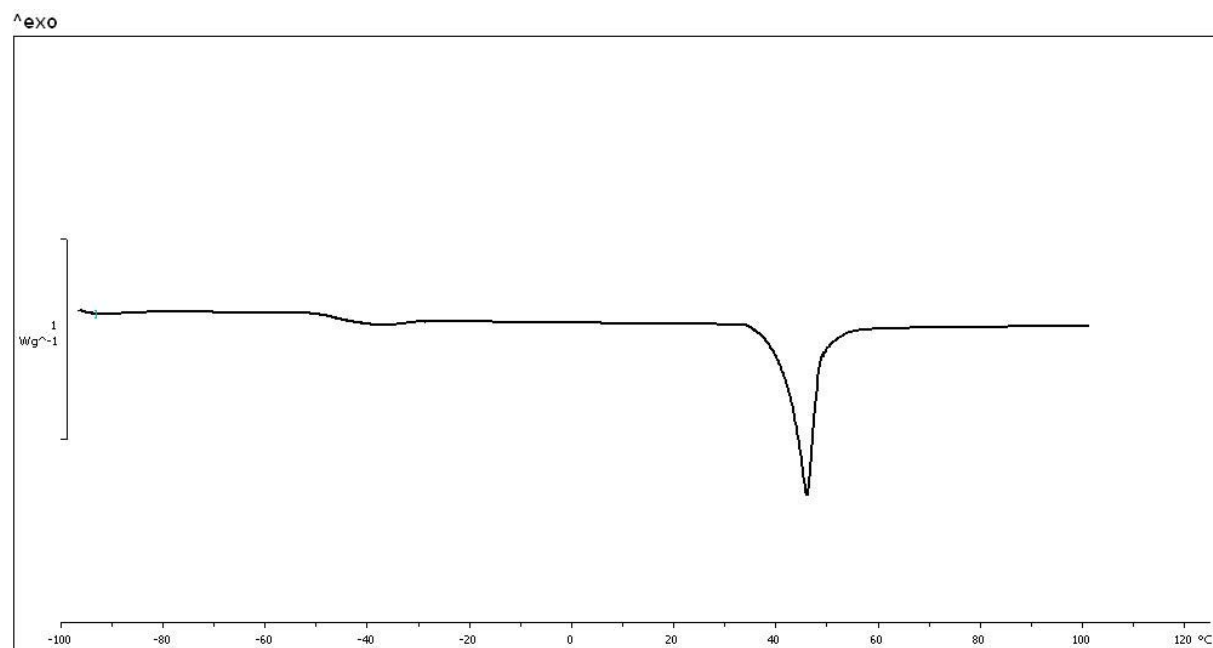
Hexadecyltrimethylammonium benzotriazolate (9)



Zakład Technologii Chemicznej: METTLER

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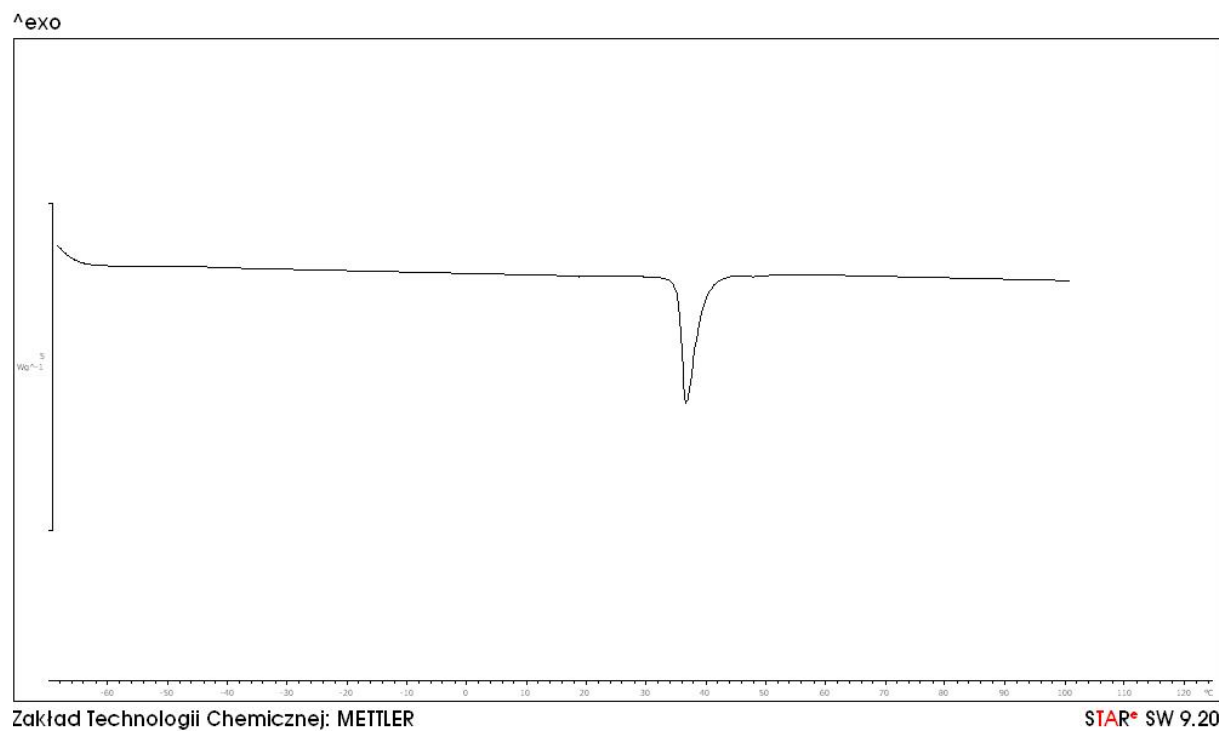
Hexadecyltrimethylammonium 1,2,4-triazolate (10)



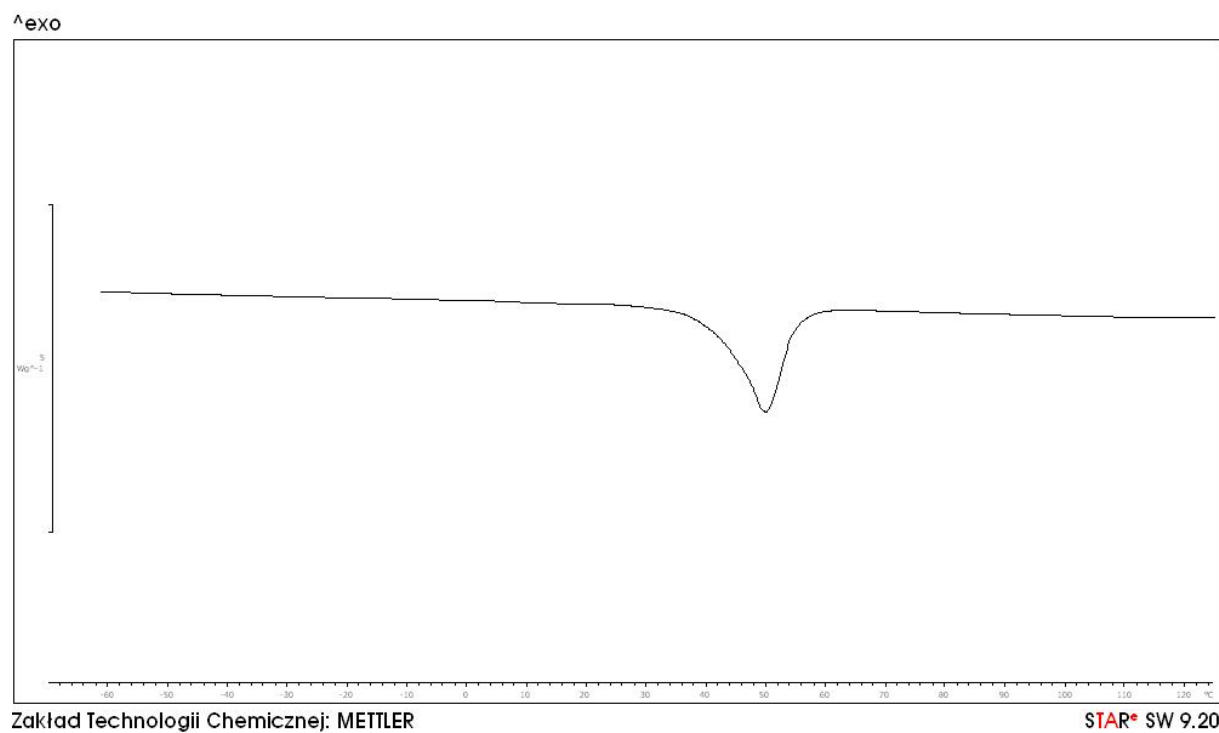
Zakład Technologii Chemicznej: METTLER

STAR® SW 9.20

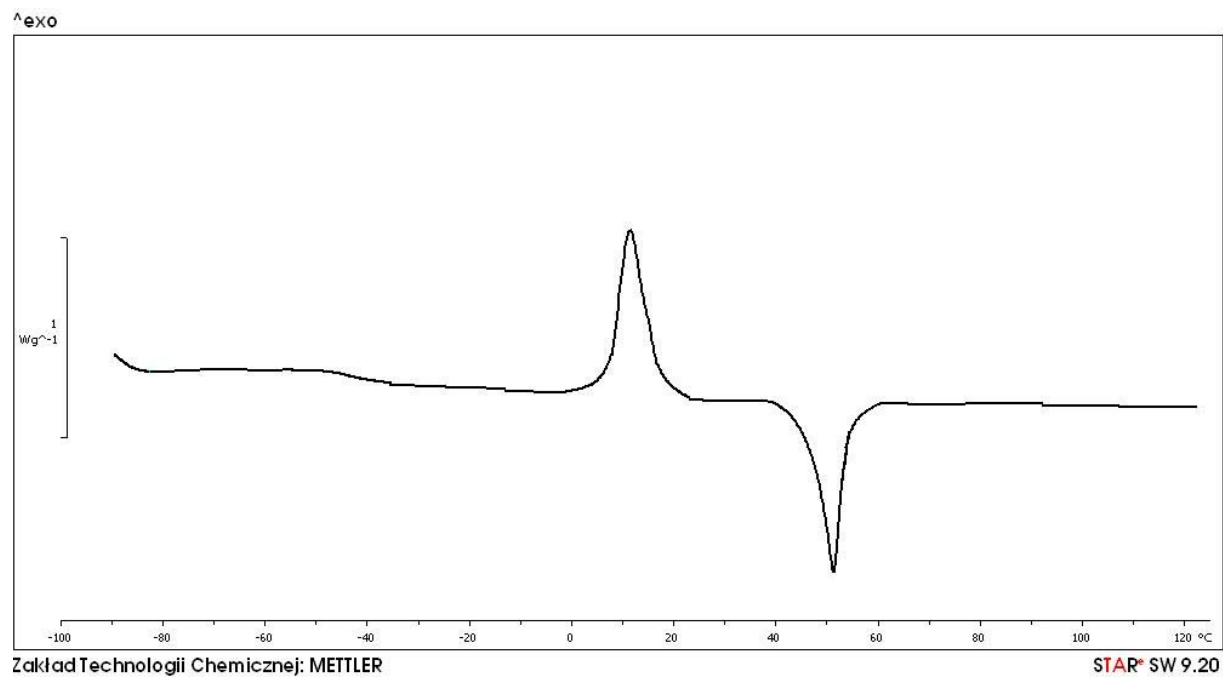
Hexadecyltrimethylammonium 4-nitroimidazolate (**11**)



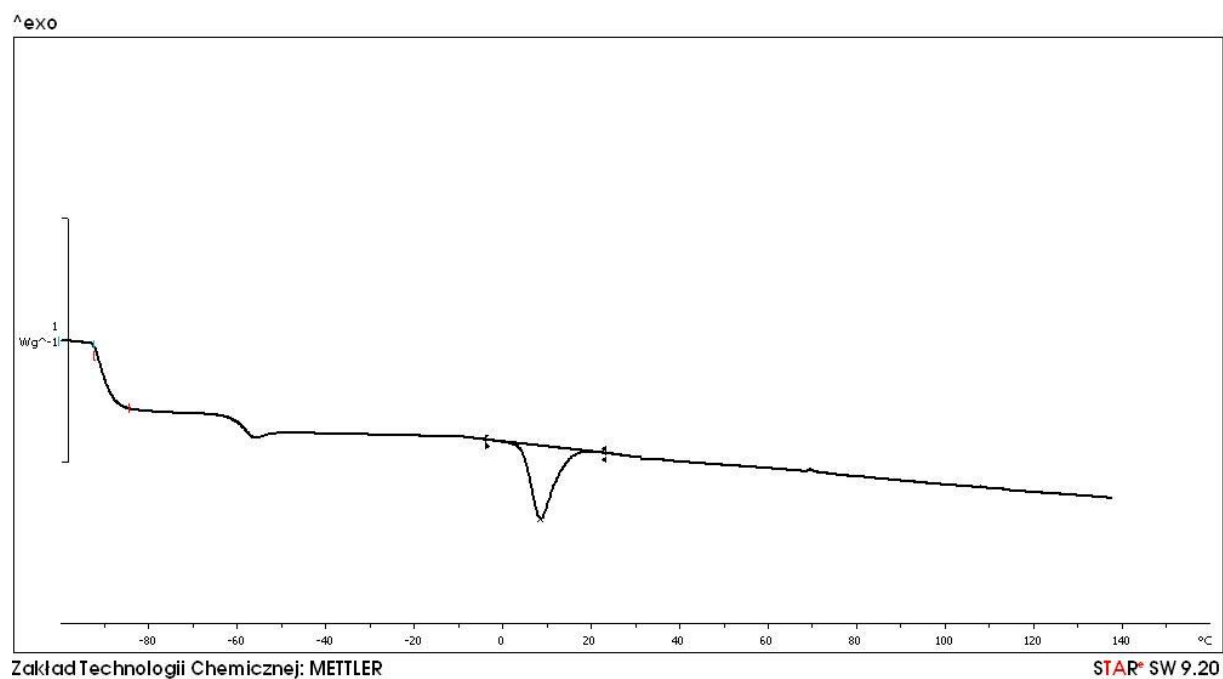
Hexadecyltrimethylammonium 2-methyl-4-nitroimidazolate (**12**)



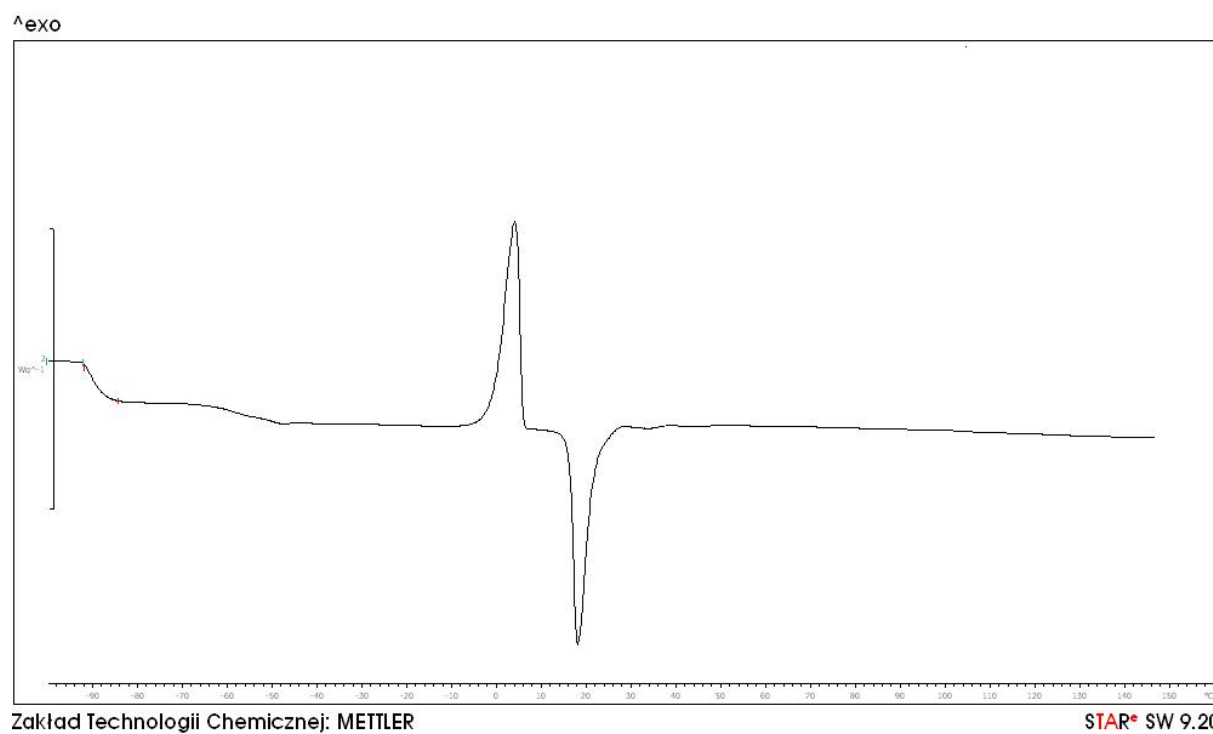
Domiphen benzotriazolate (13)



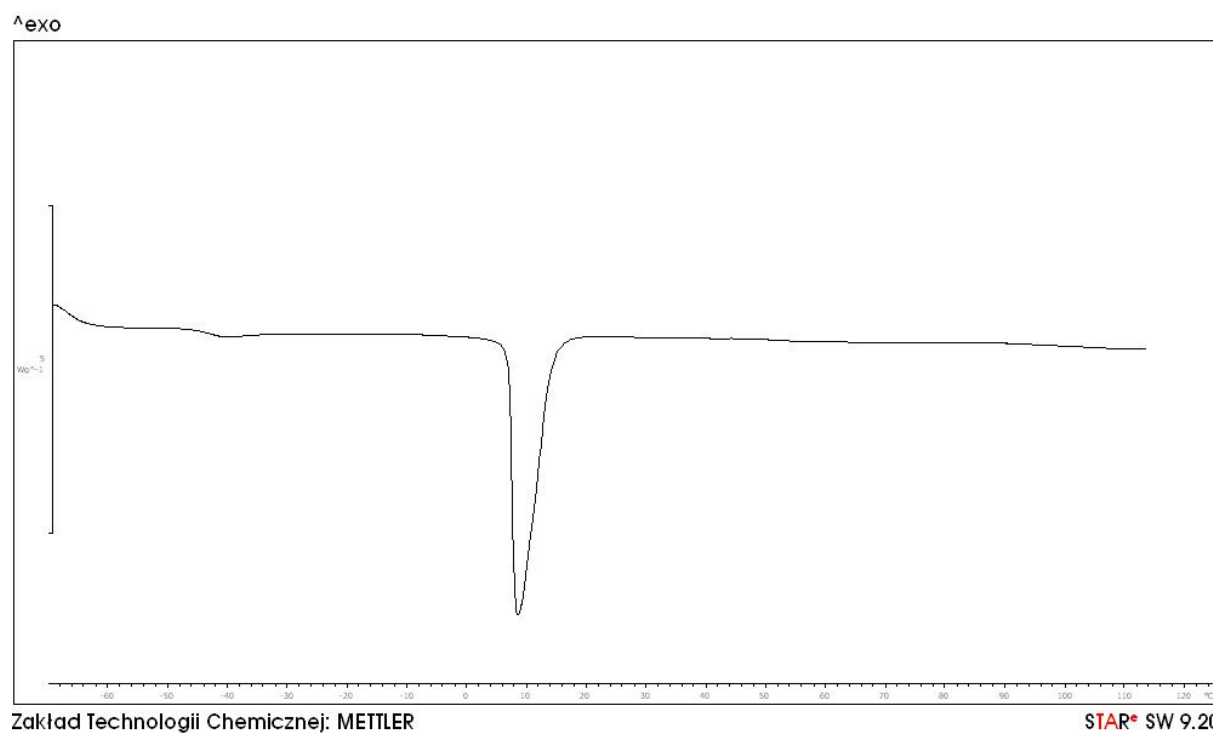
Domiphen 1,2,4-triazolate (14)



Domiphen 4-nitroimidazolate (**15**)

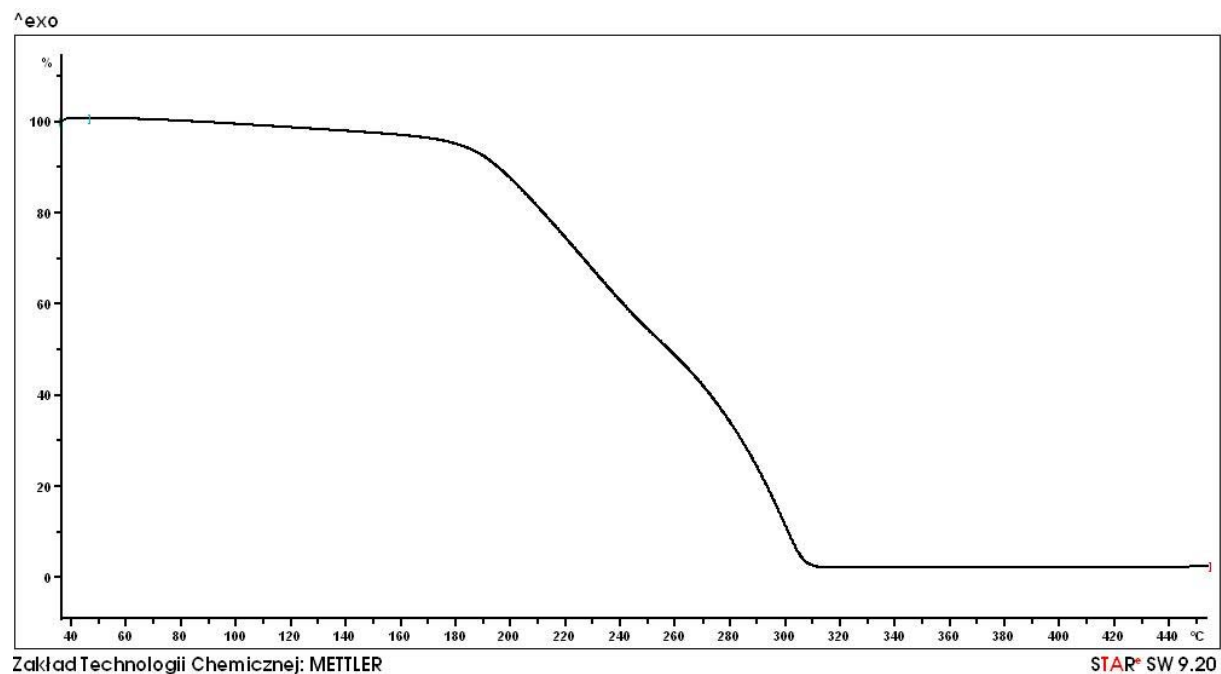


Domiphen 2-methyl-4-nitroimidazolate (**16**)

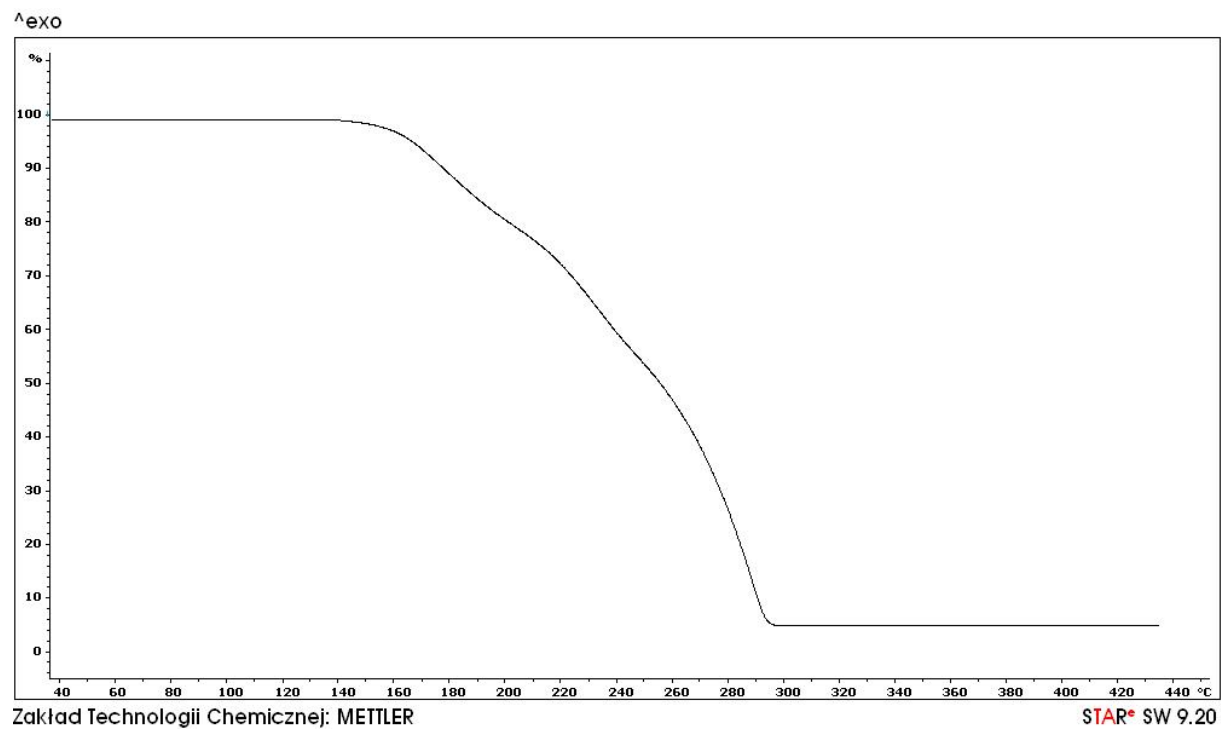


Supporting information - TGA curves

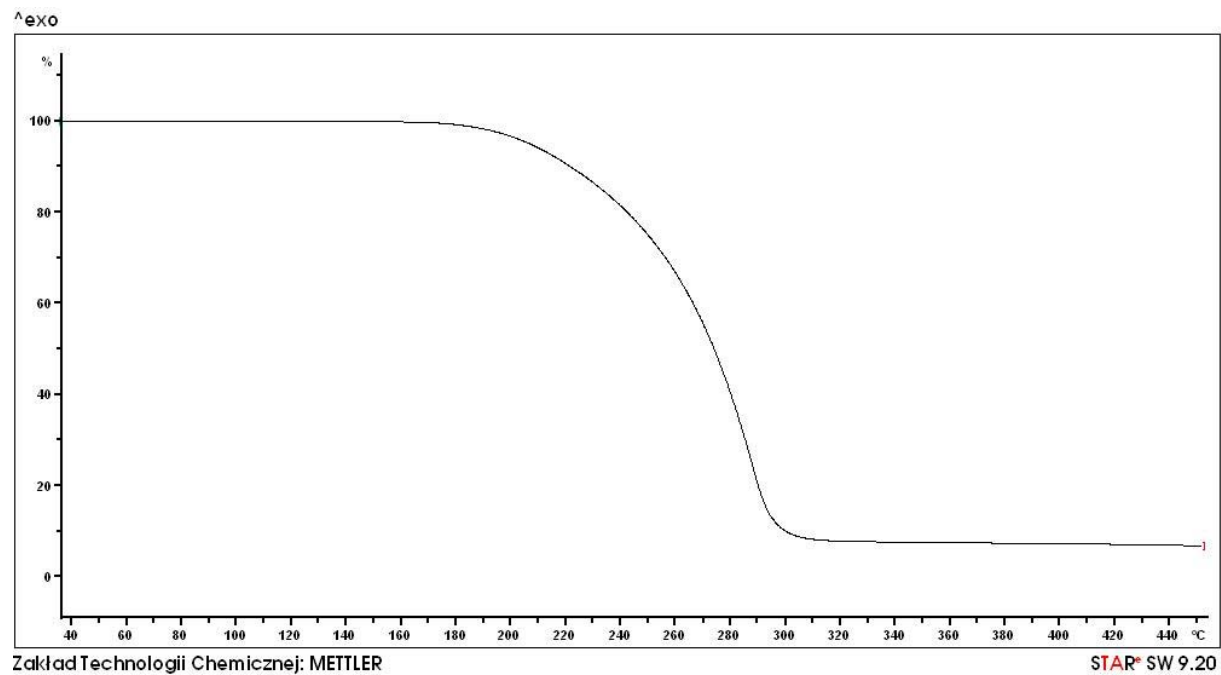
Didecyldimethylammonium benzotriazolate (1)



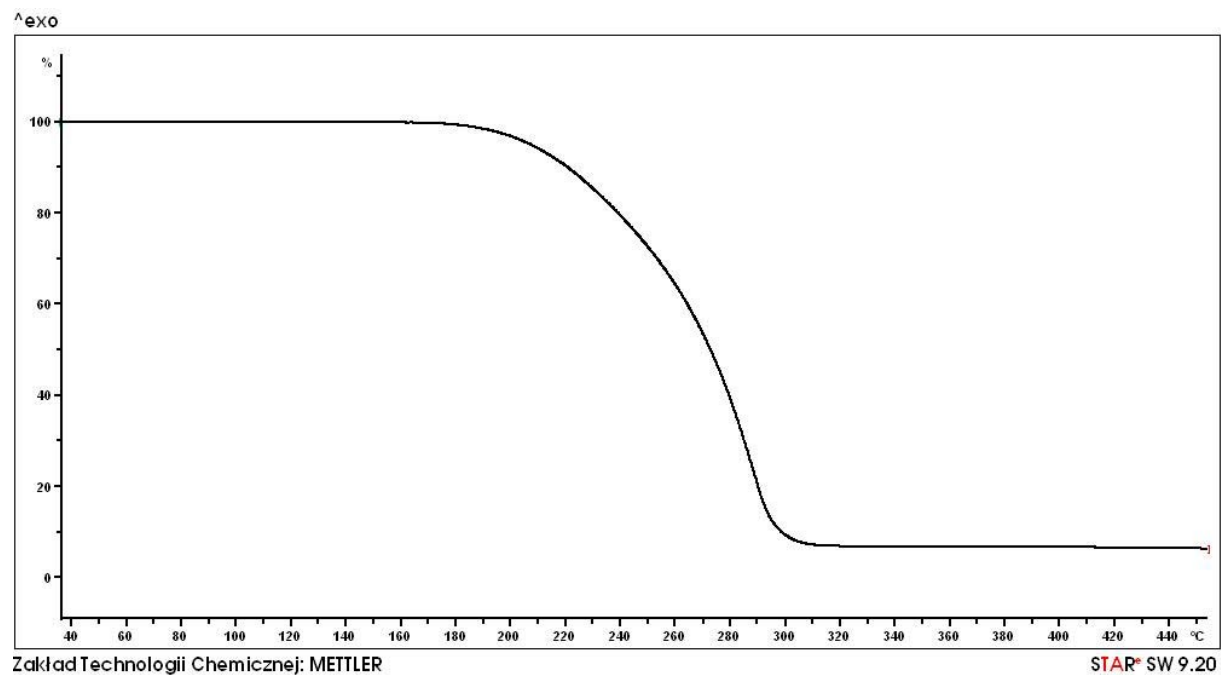
Didecyldimethylammonium 1,2,4-triazolate (2)



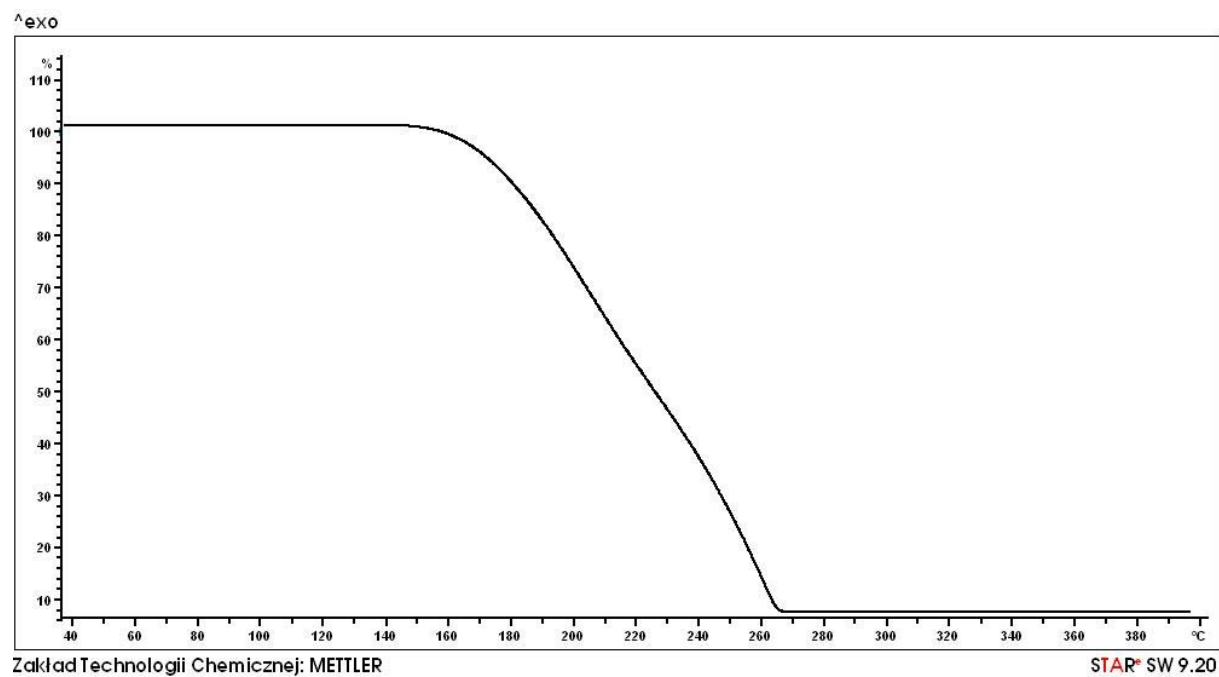
Didecyldimethylammonium 4-nitroimidazolate (3)



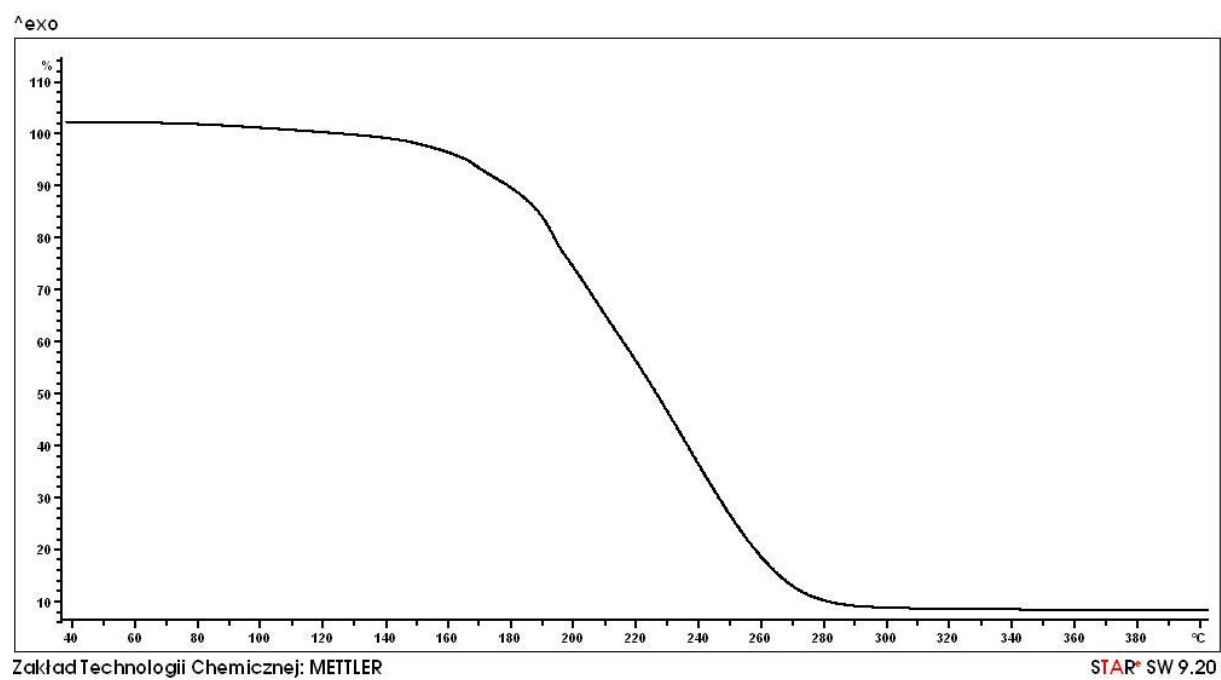
Didecyldimethylammonium 2-methyl-4-nitroimidazolate (4)



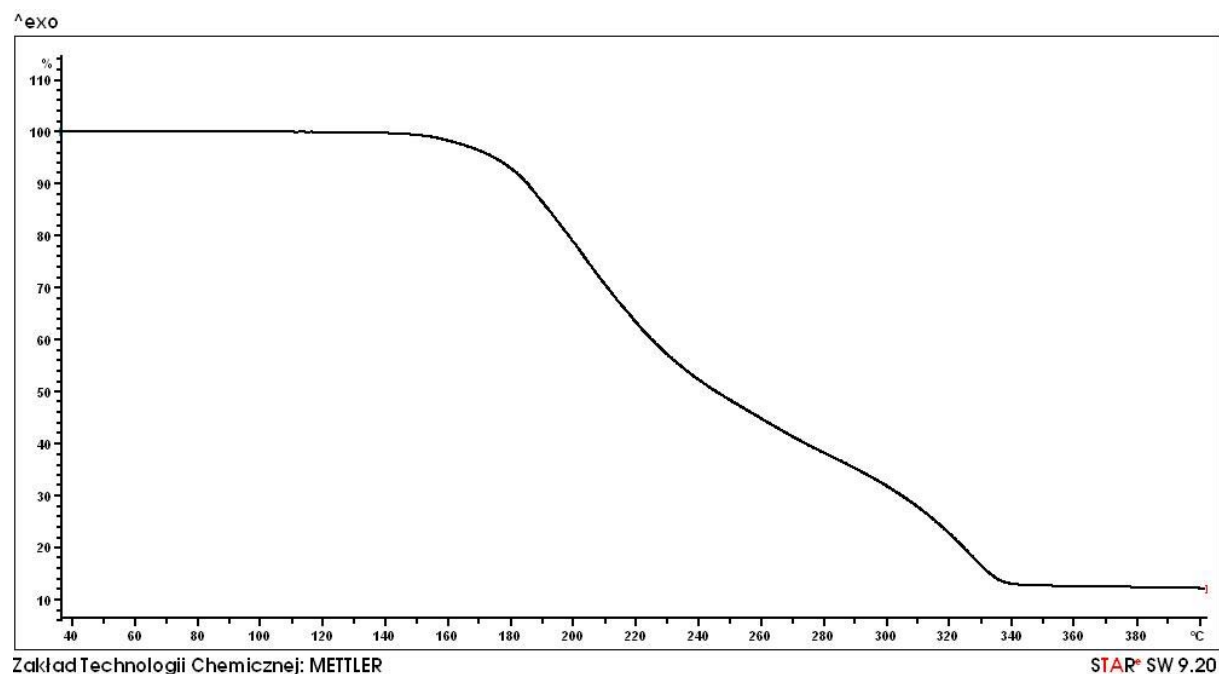
Benzalkonium benzotriazolate (5)



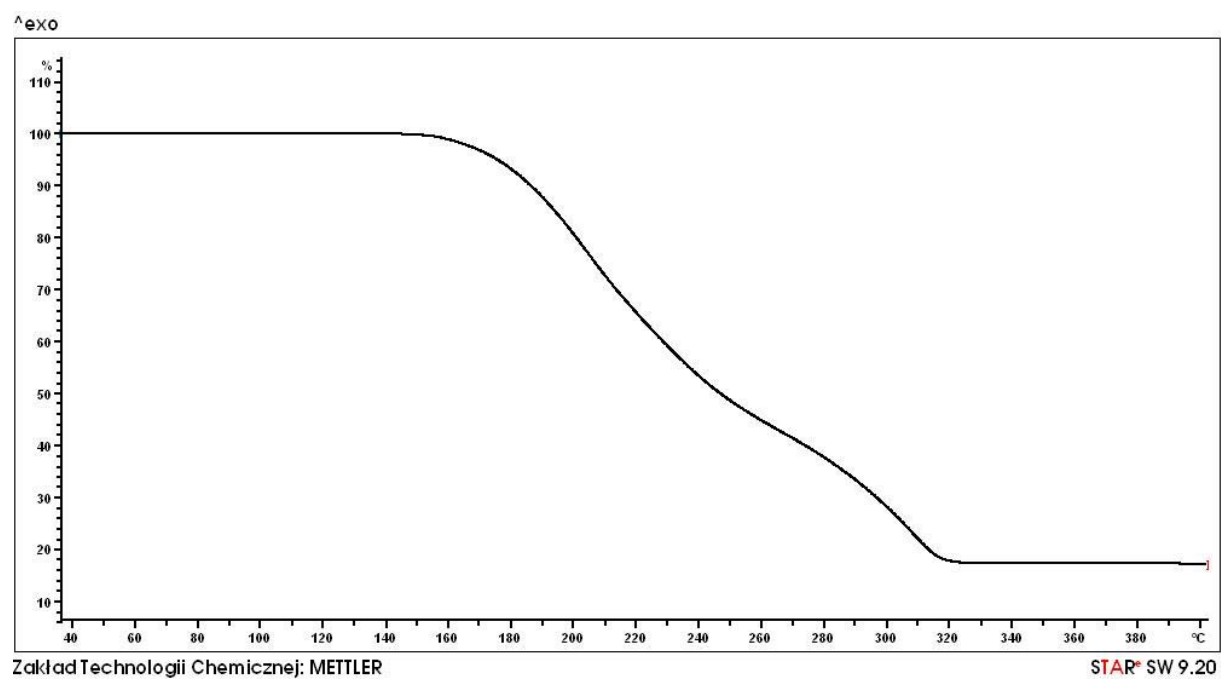
Benzalkonium 1,2,4-triazolate (6)



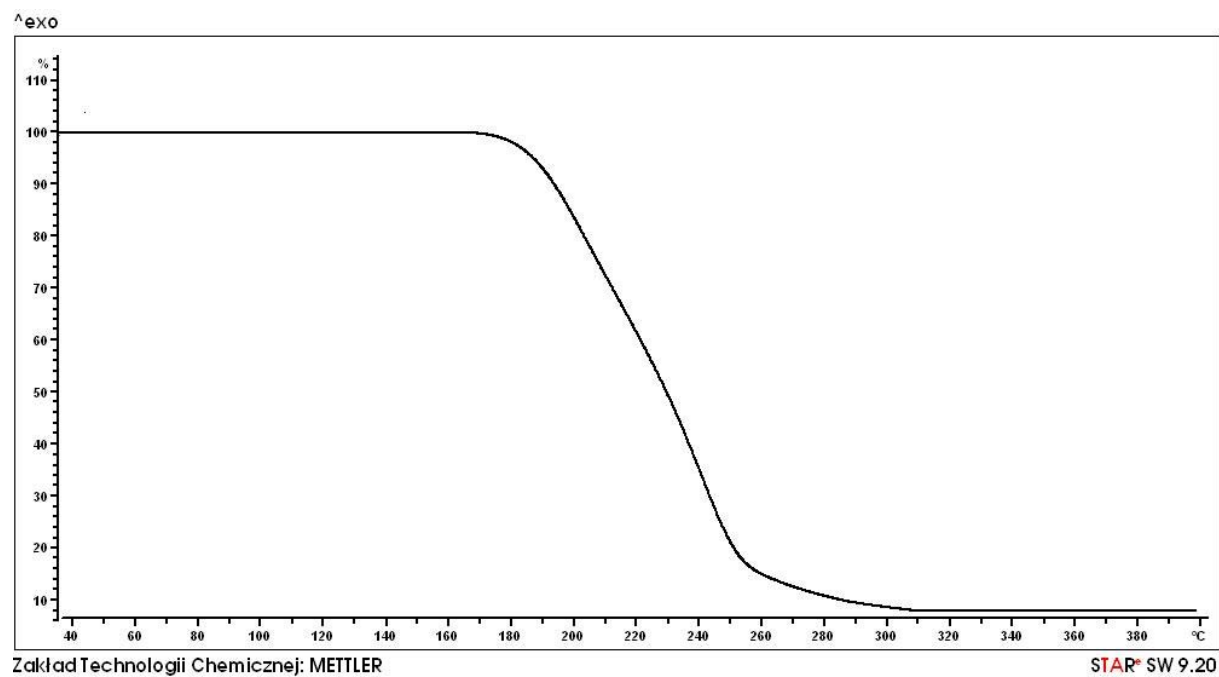
Benzalkonium 4-nitroimidazolate (7)



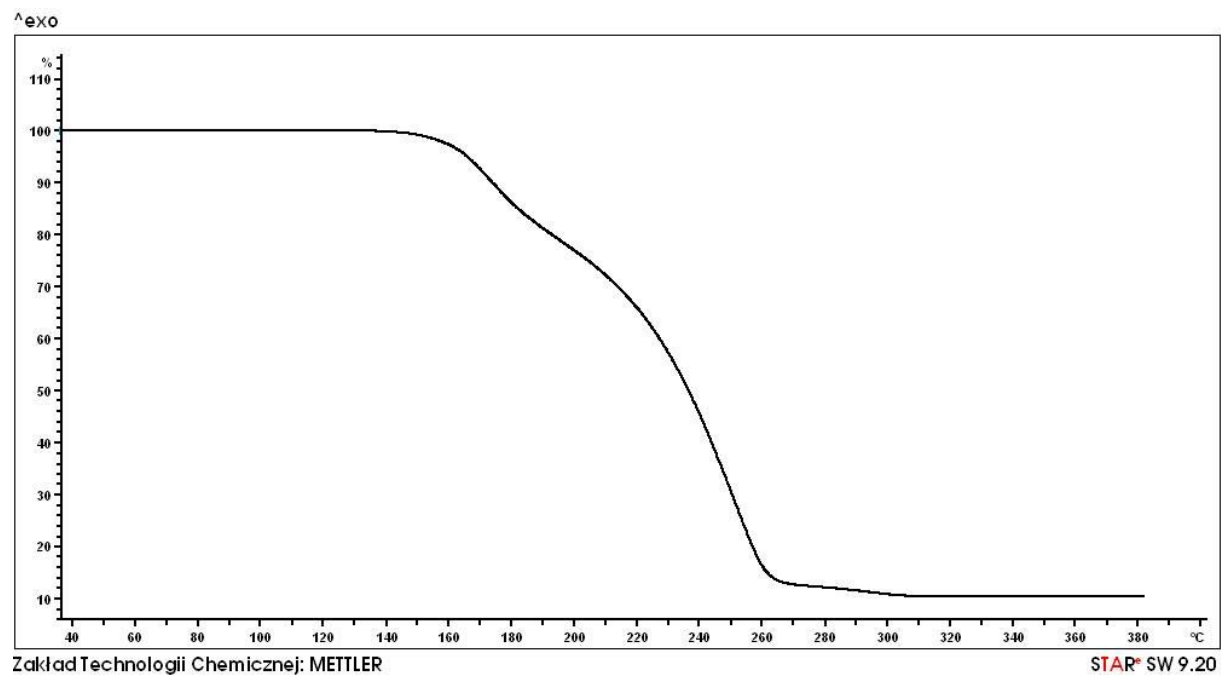
Benzalkonium 2-methyl-4-nitroimidazolate (8)



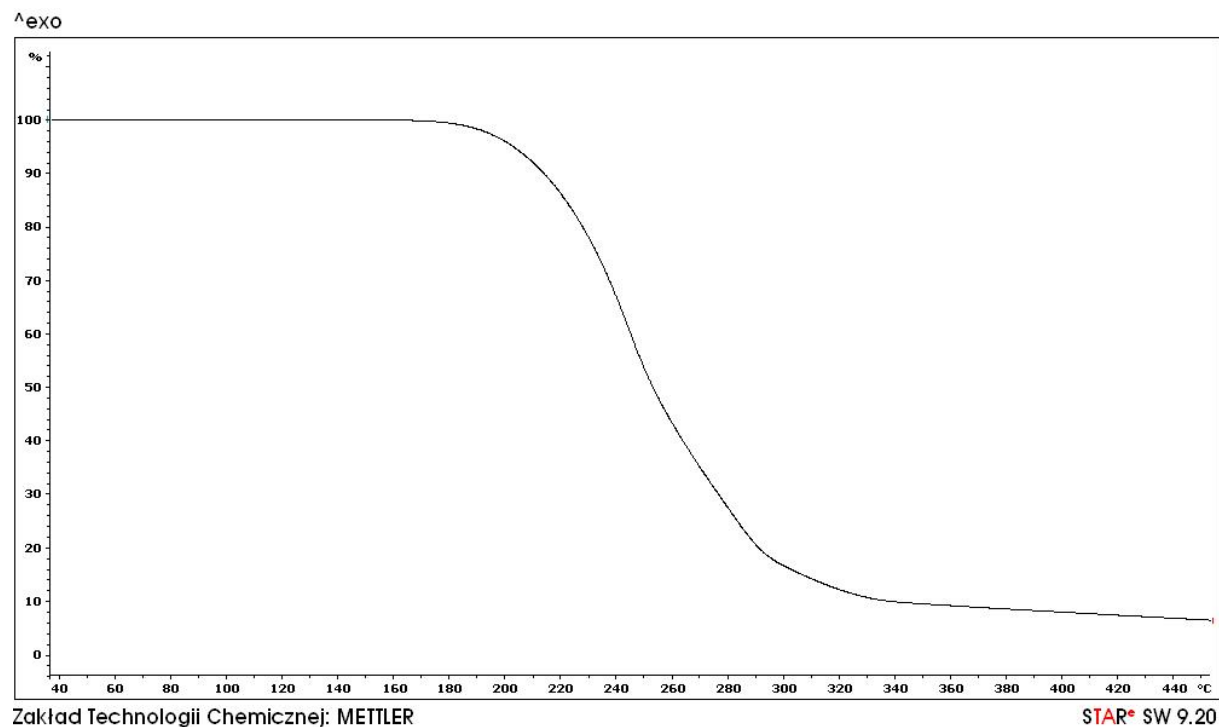
Hexadecyltrimethylammonium benzotriazolate (9)



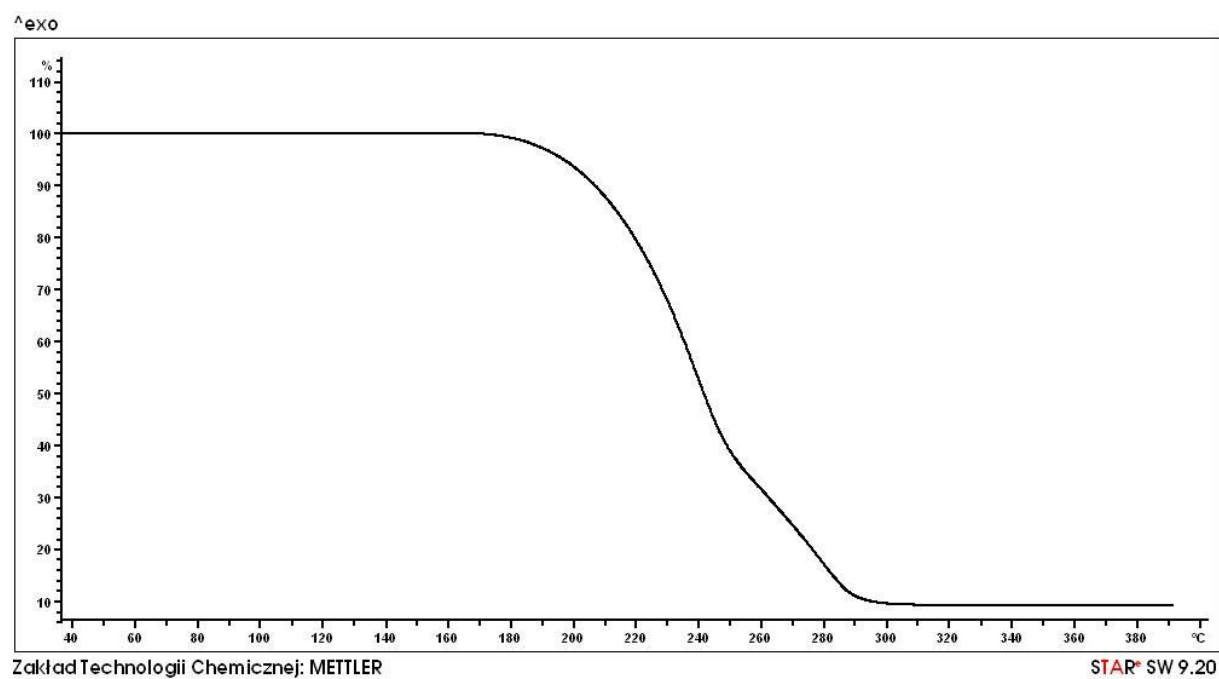
Hexadecyltrimethylammonium 1,2,4-triazolate (10)



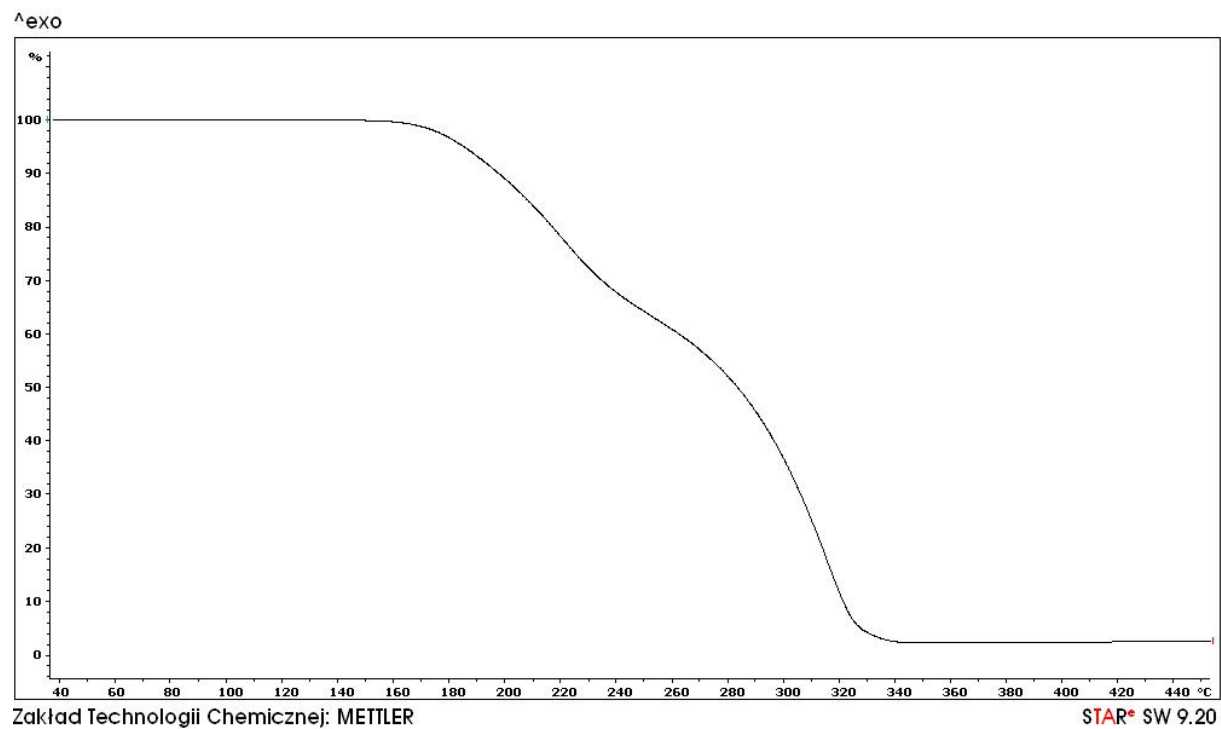
Hexadecyltrimethylammonium 4-nitroimidazolate (**11**)



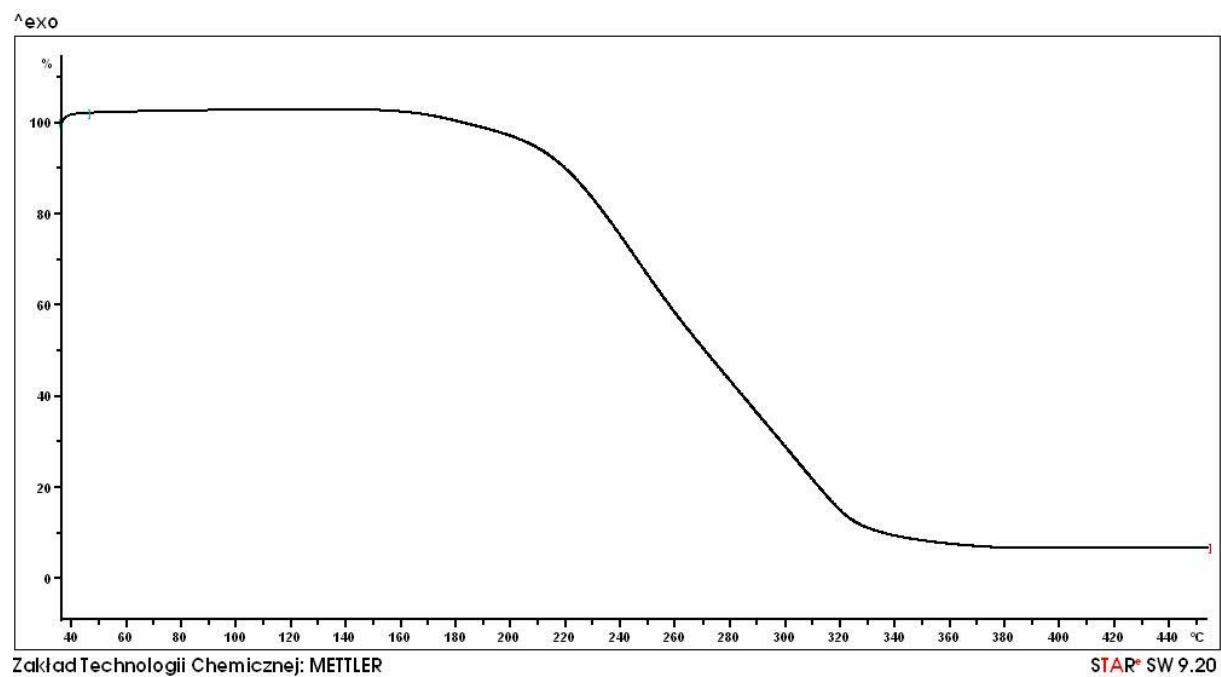
Hexadecyltrimethylammonium 2-methyl-4-nitroimidazolate (**12**)



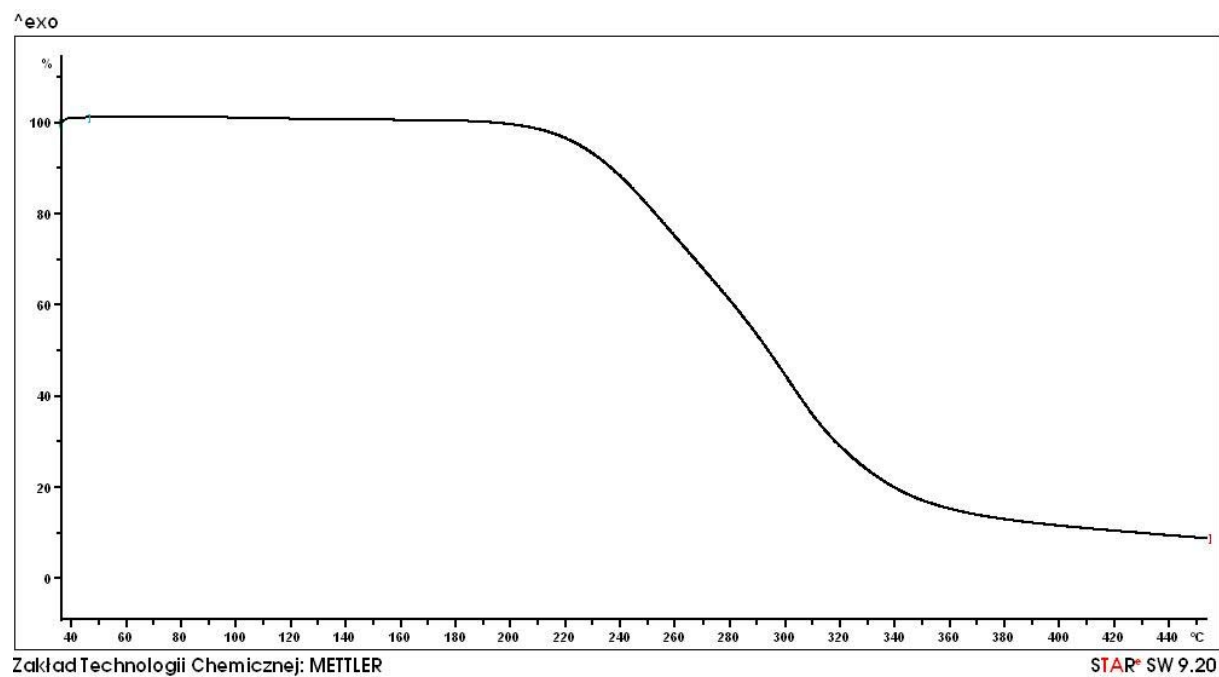
Domiphen benzotriazolate (**13**)



Domiphen 1,2,4-triazolate (**14**)



Domiphen 4-nitroimidazolate (15)



Domiphen 2-methyl-4-nitroimidazolate (16)

