

Supplementary Material

A convenient and mild protocol for preparation of α – trimethylsilyloxyphosphonates using sulfamic acid and their oxidation to α – ketophosphonates in the presence of *N*-bromosuccinimide

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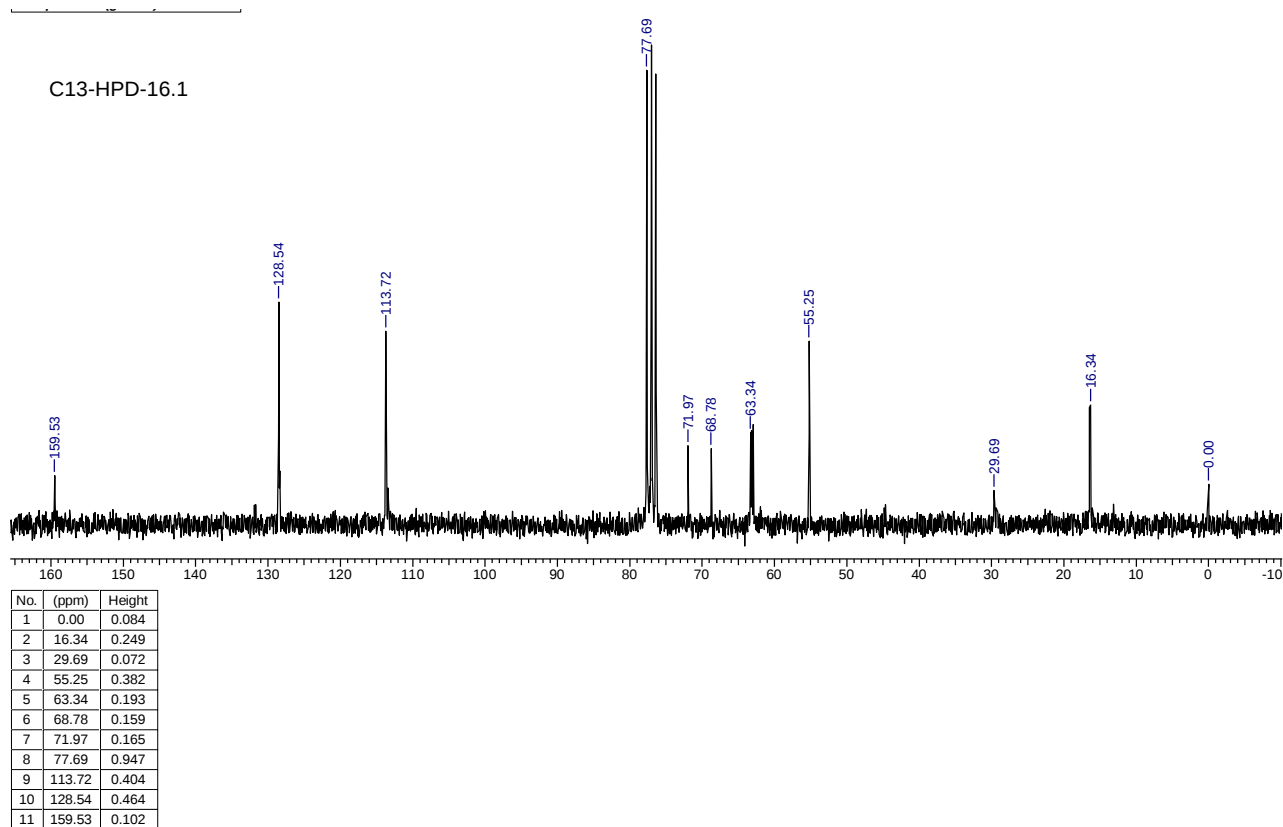
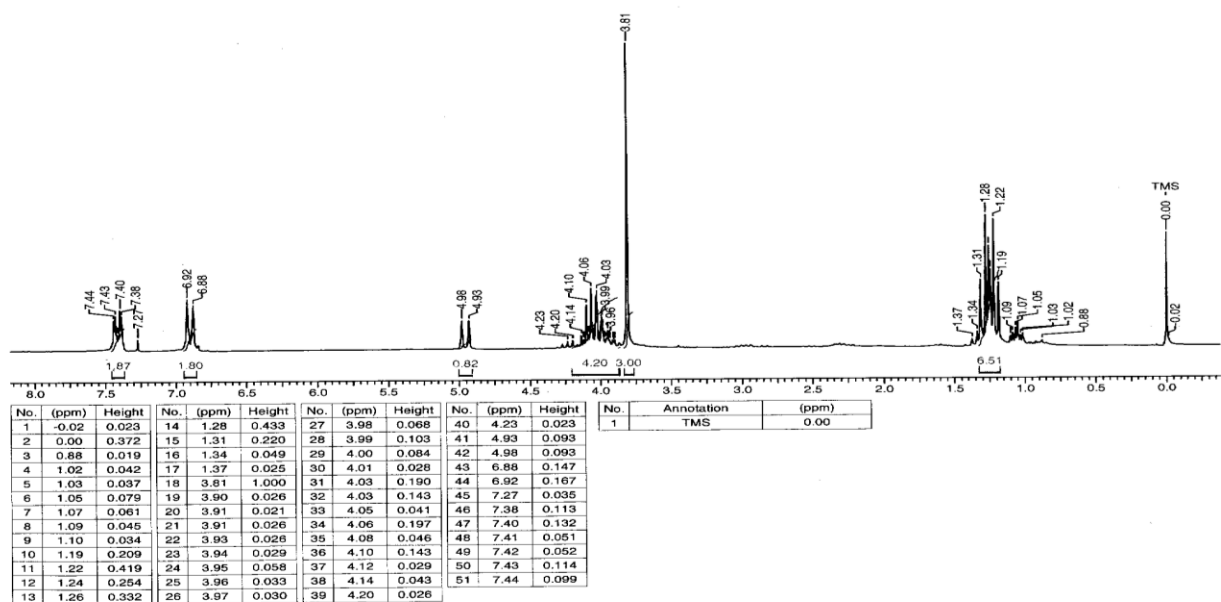
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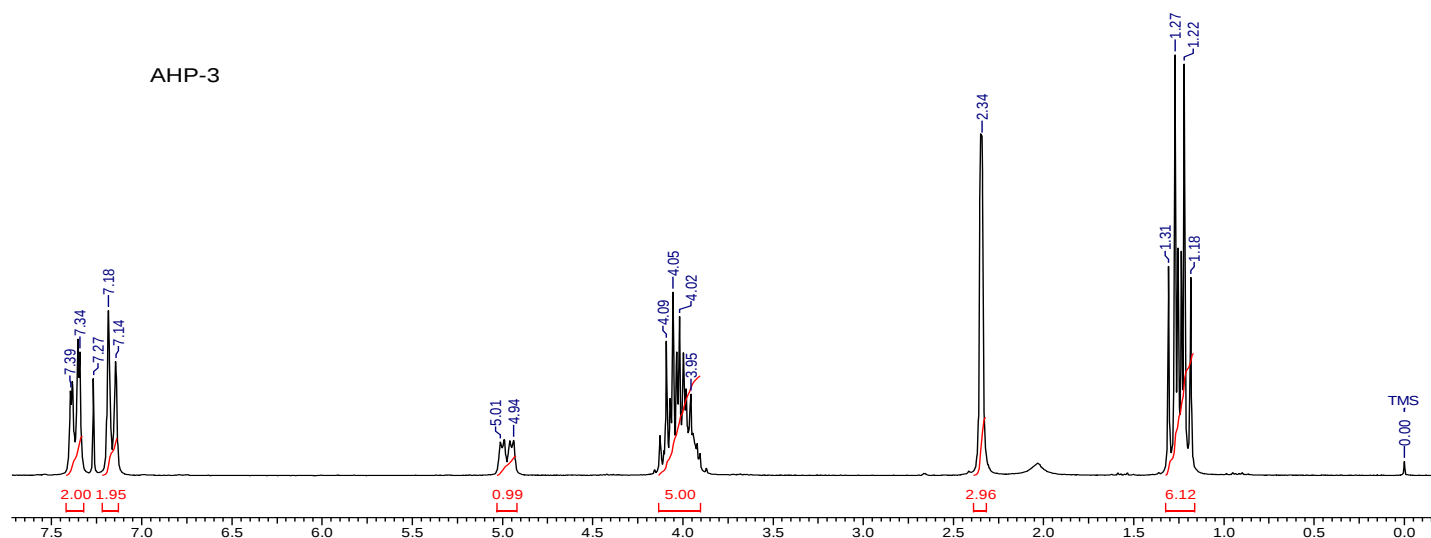
¹ H NMR spectra of compounds 1a , 3a , 6a , 7a , 1b , 2b , 4b , 7b , 1c , 3c , 4c , 10c , 11c ; ¹³ C NMR spectra of compounds 1a , 3a , 11c	S2
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Diethyl-1-hydroxy-1-(4-methoxyphenyl) methyl phosphonate (1a)

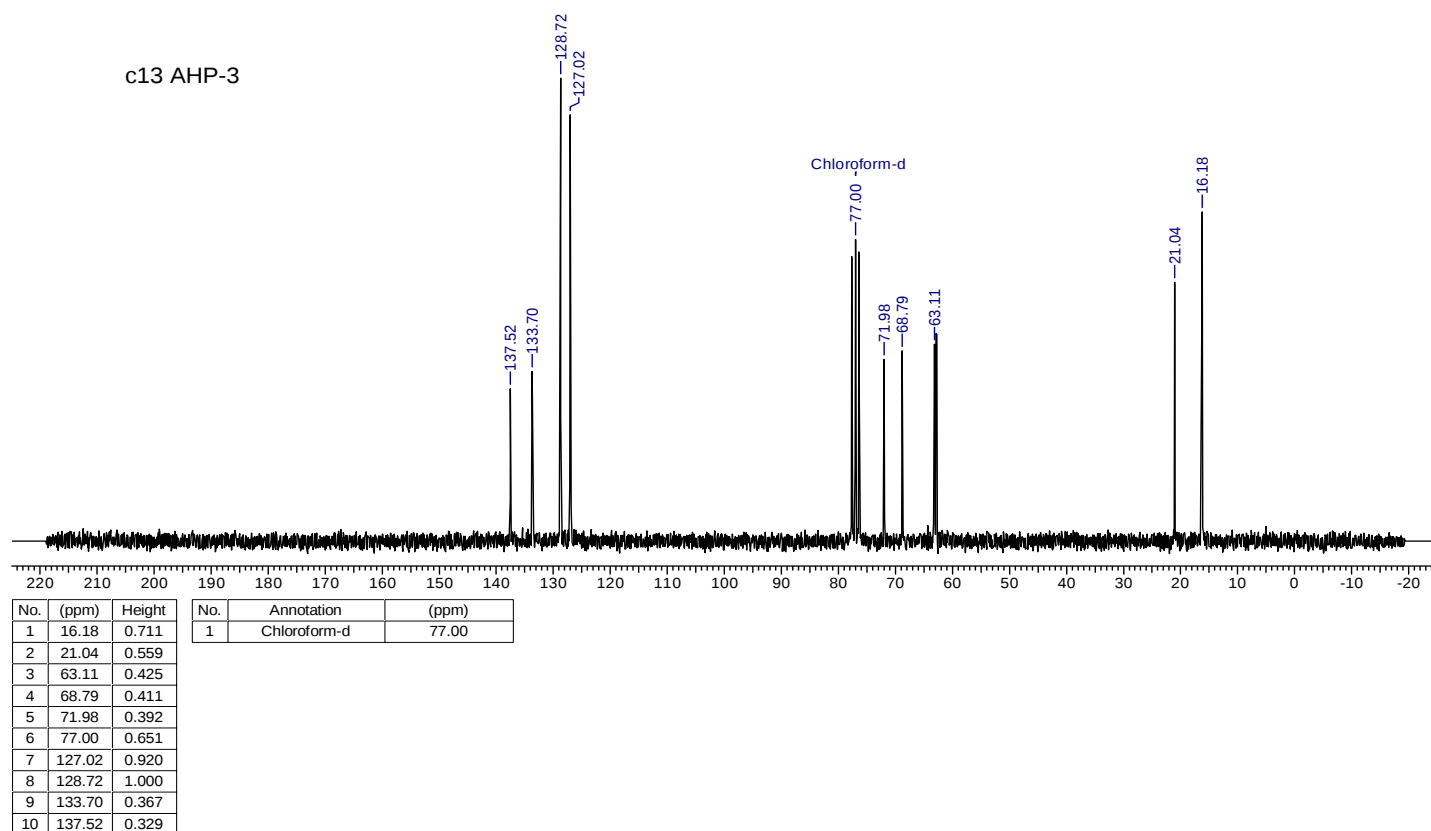


Diethyl [(hydroxyl)(4-methylphenyl) methyl] phosphonate (3a)

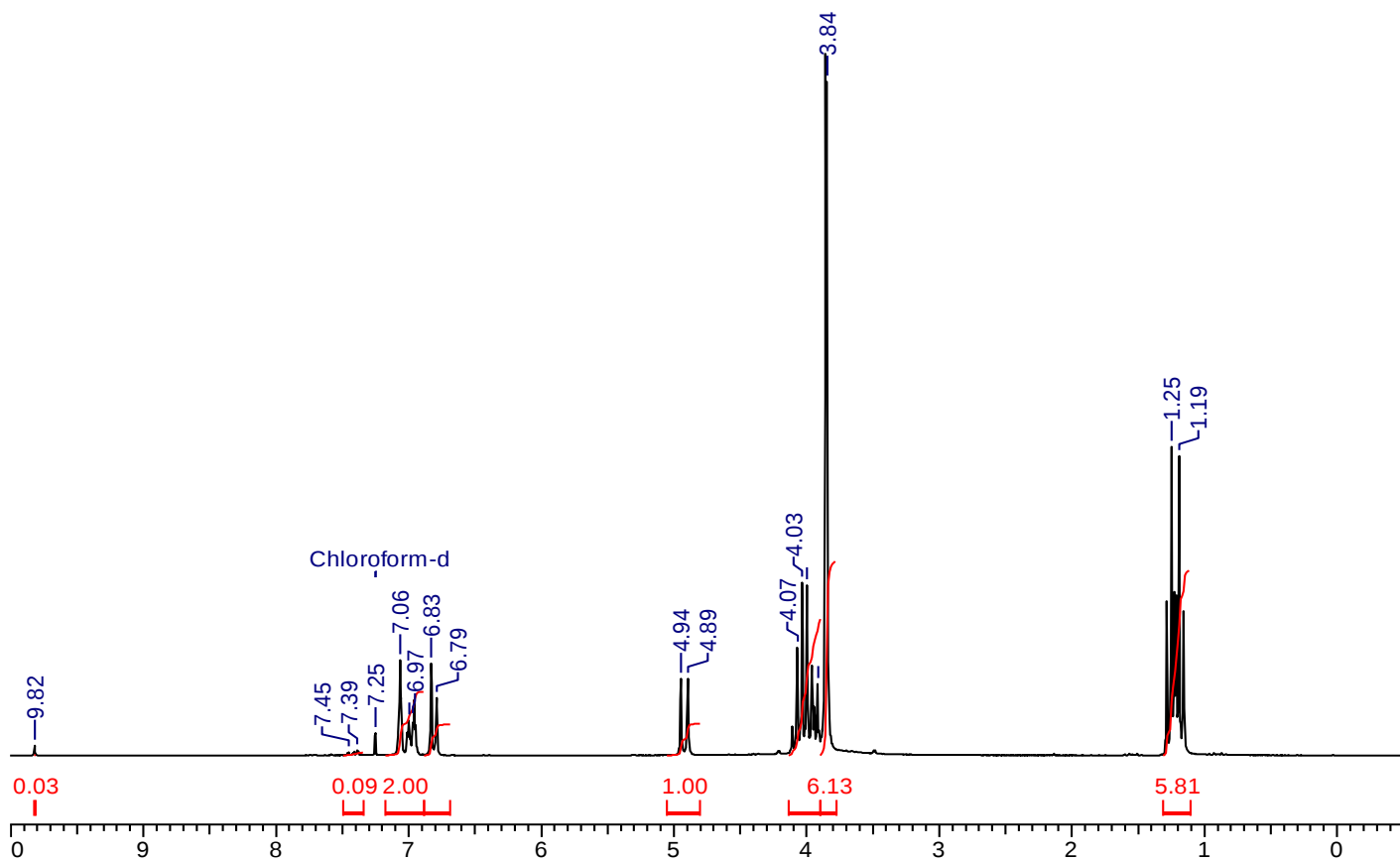
AHP-3



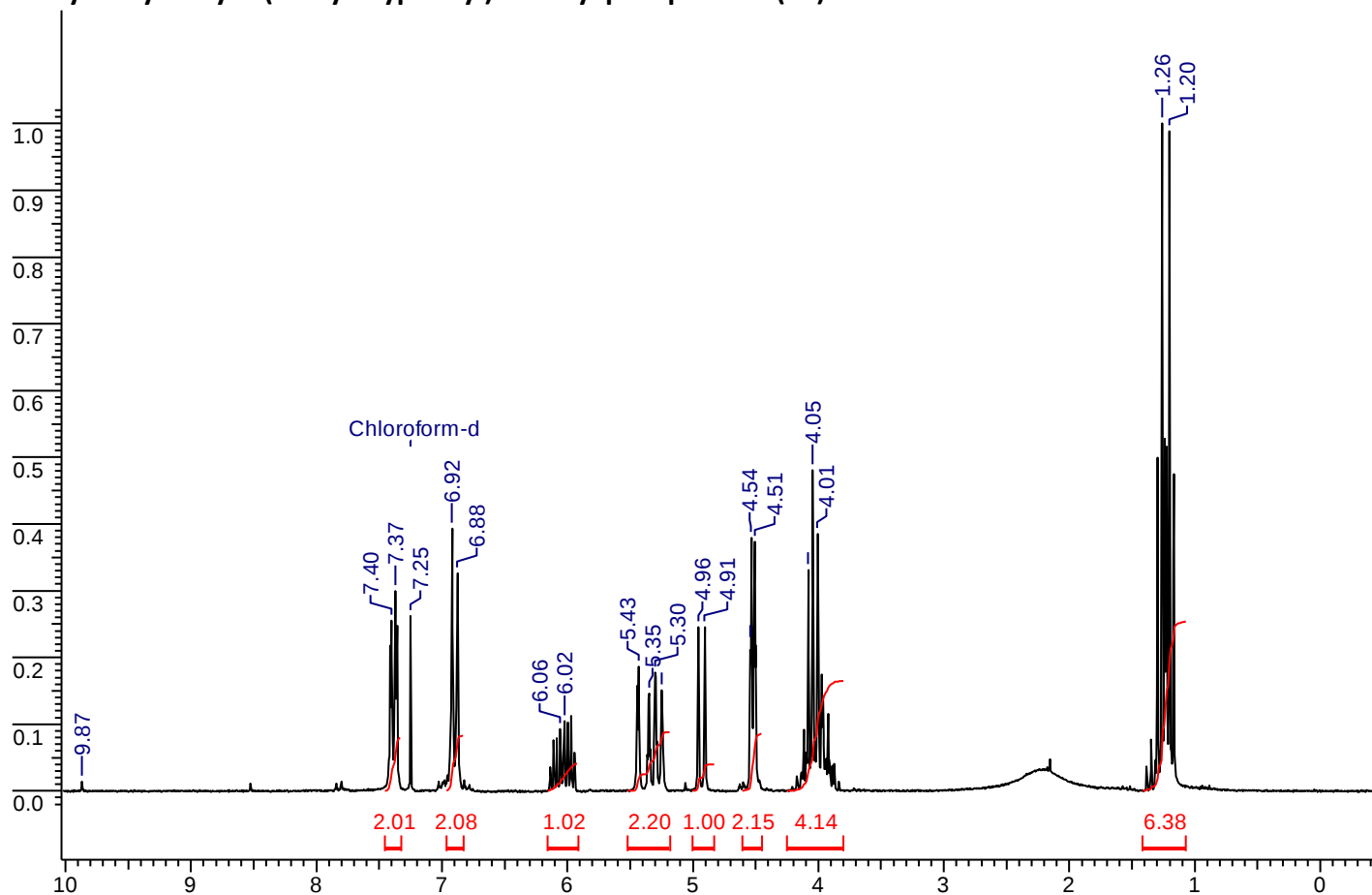
c13 AHP-3

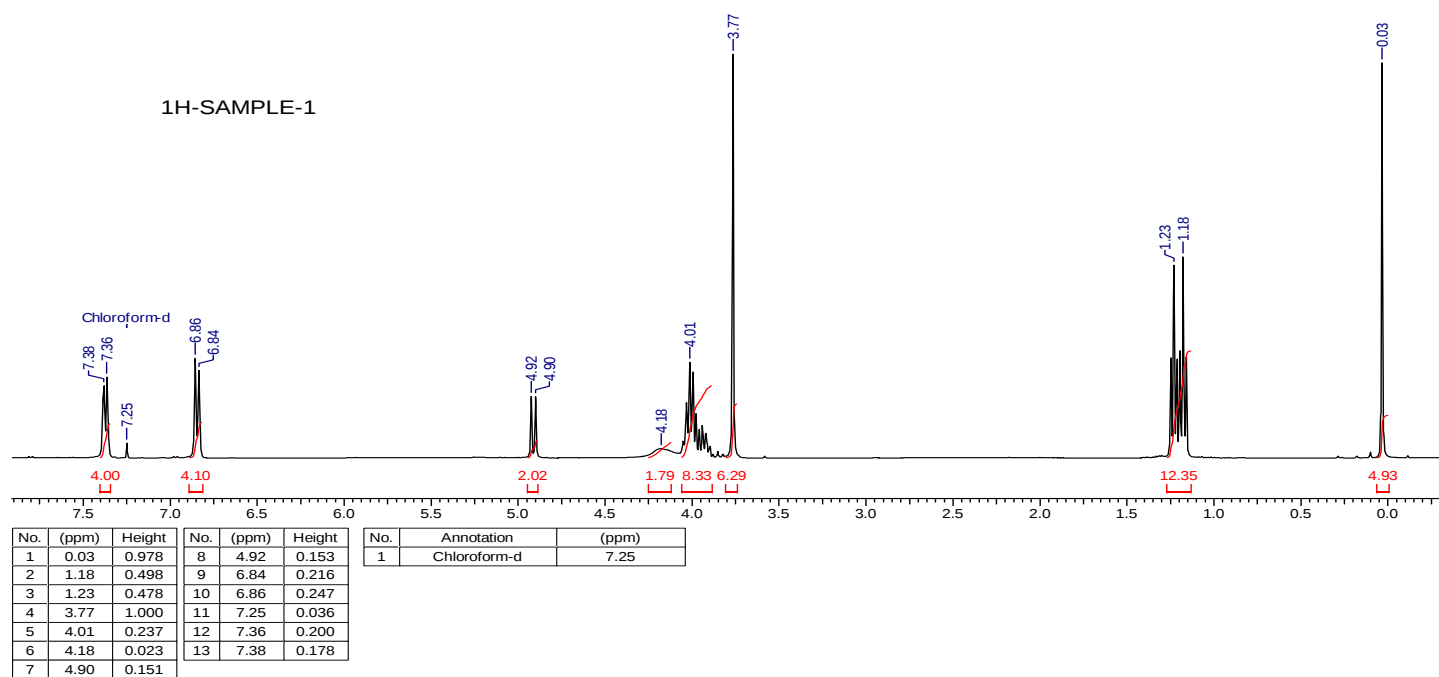
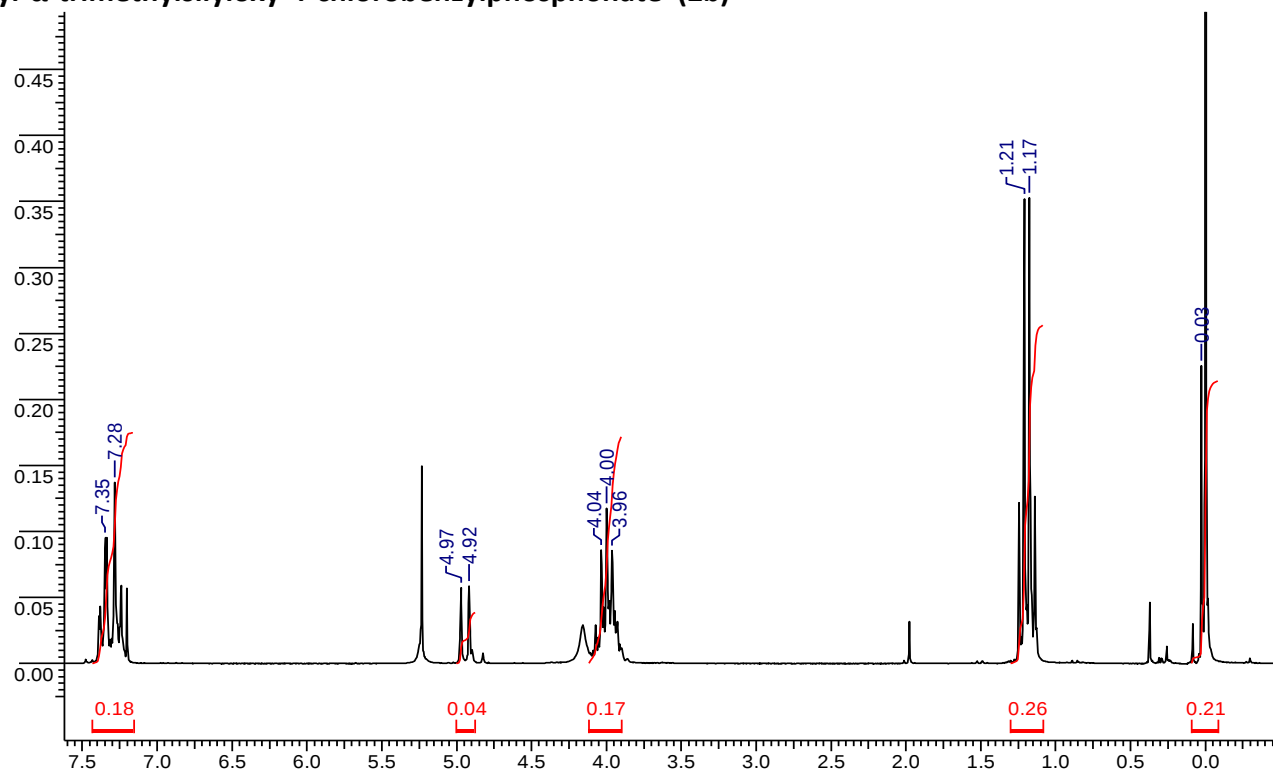


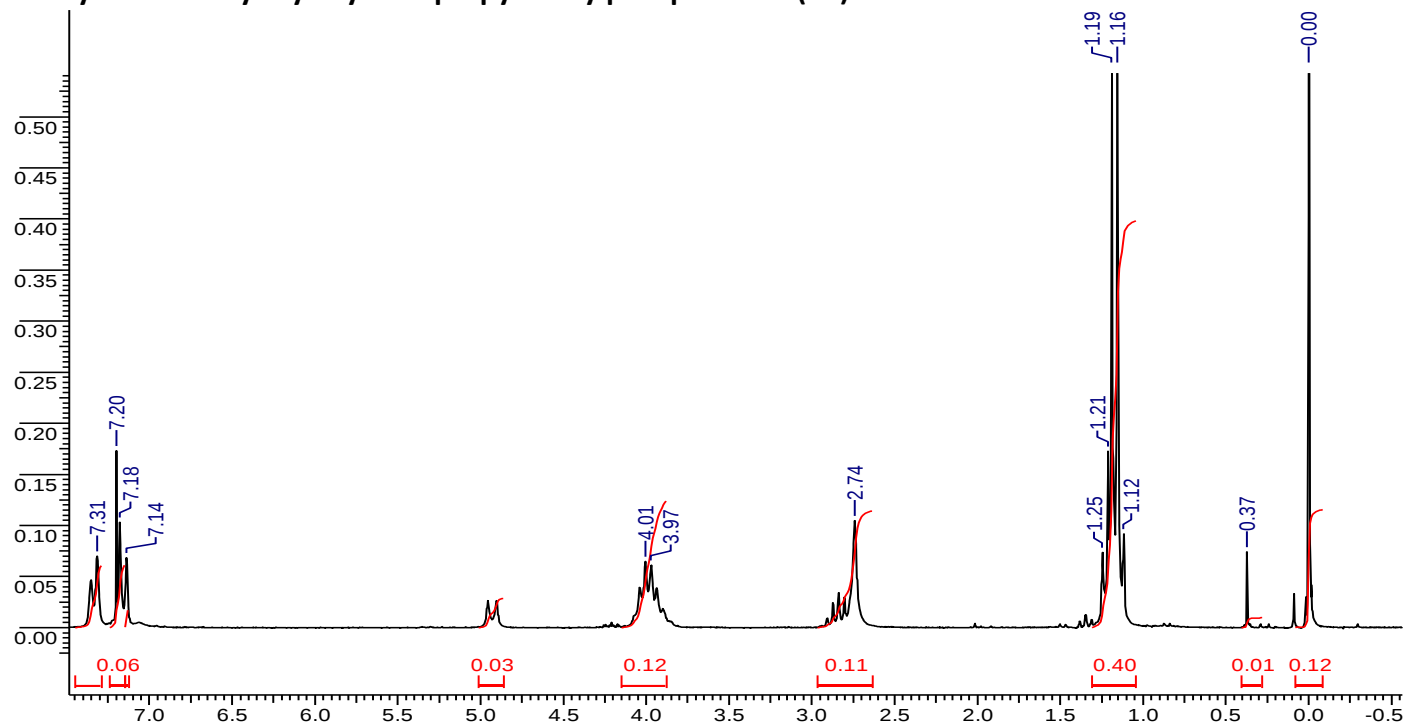
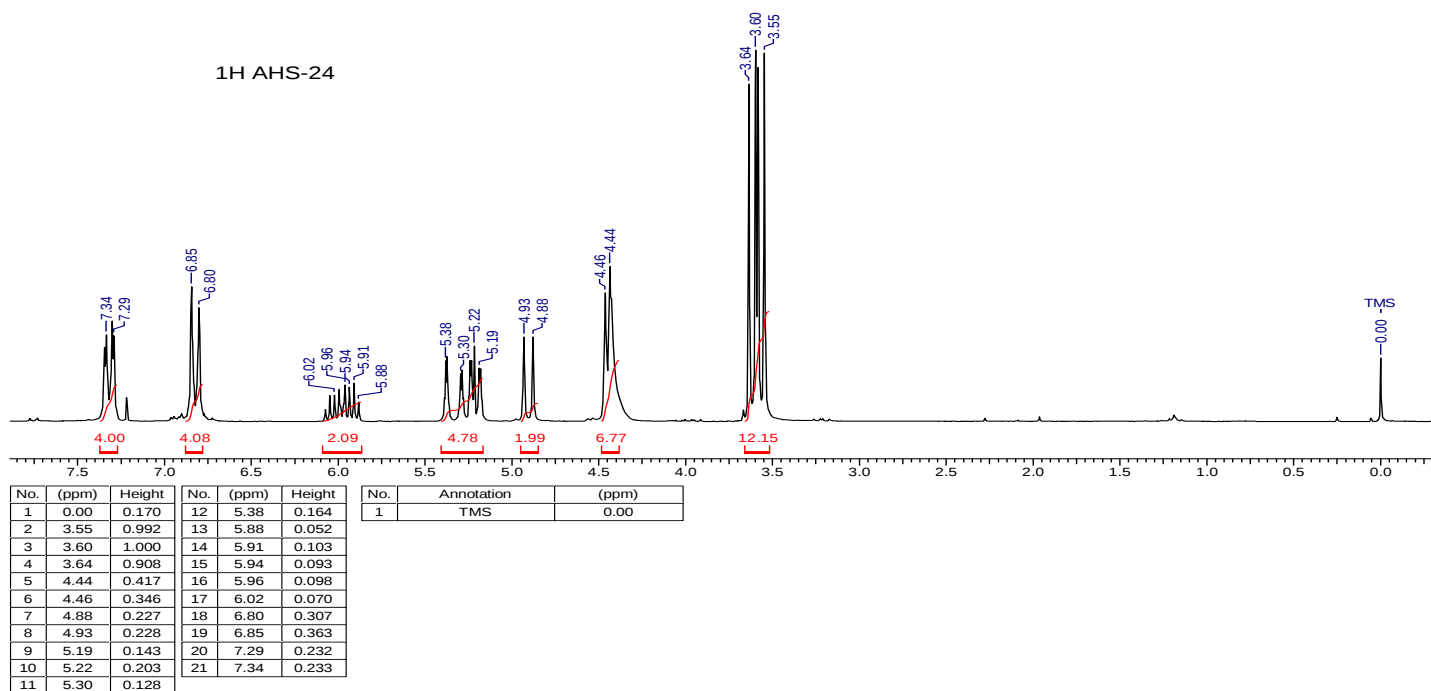
Diethyl-1-hydroxy-1-(3,4-dimethoxyphenyl) methyl phosphonate, (6a)



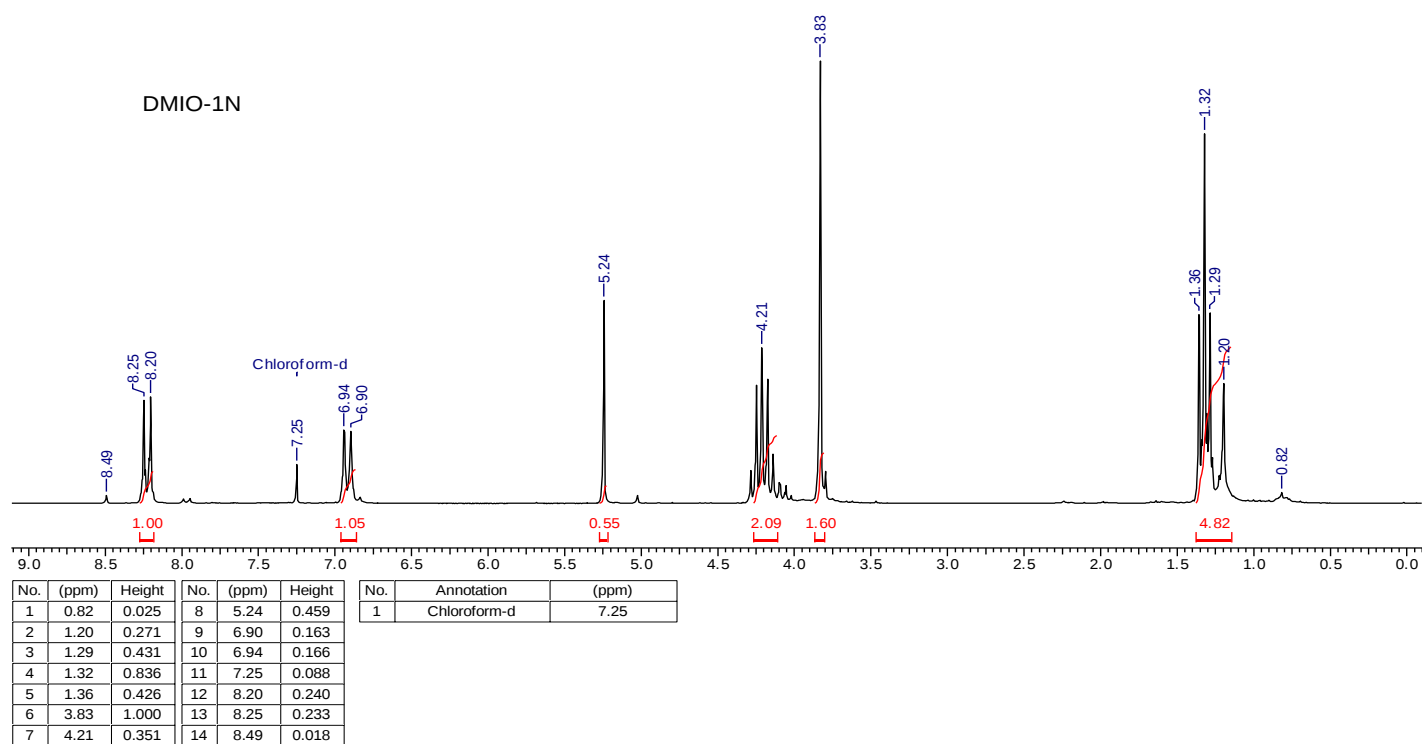
Diethyl-1-hydroxy-1-(4-allyloxyphenyl) methyl phosphonate(7a)



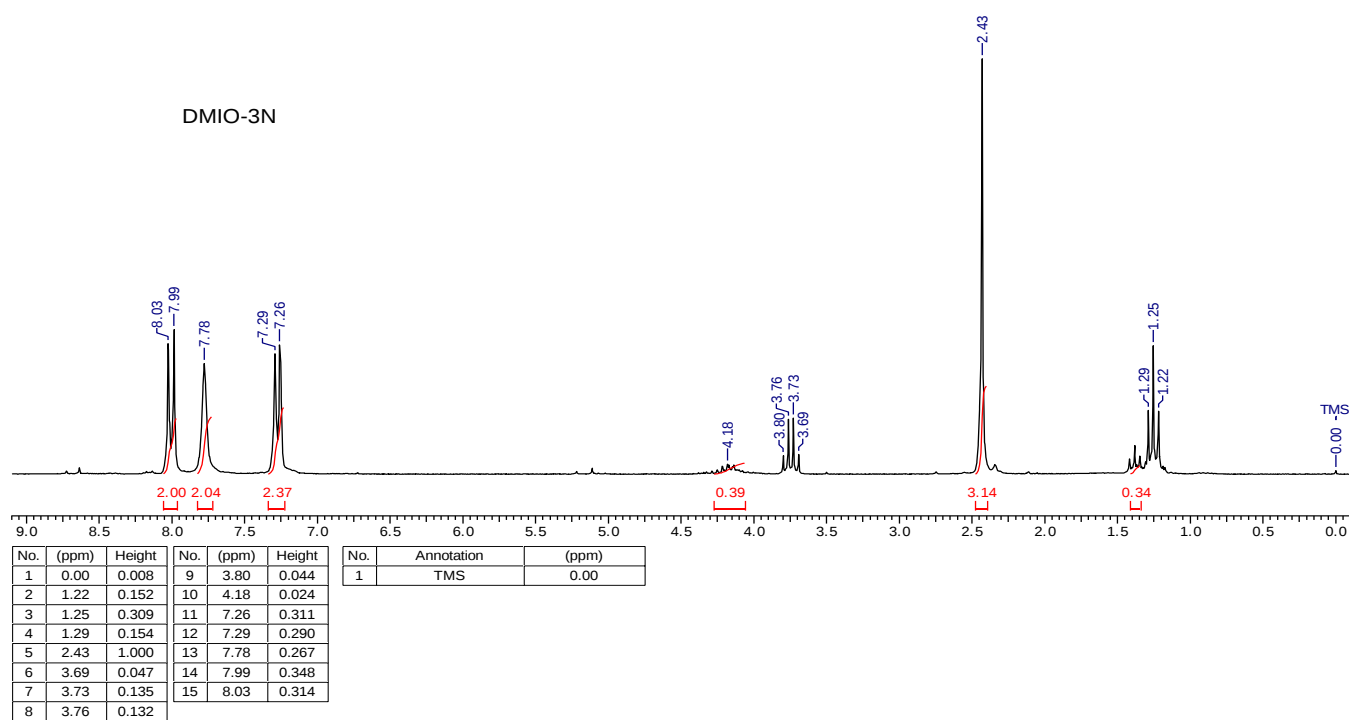
Diethyl- α -trimethylsilyloxy-4-methoxybenzylphosphonate (1b)Diethyl- α -trimethylsilyloxy-4-chlorobenzylphosphonate (2b)

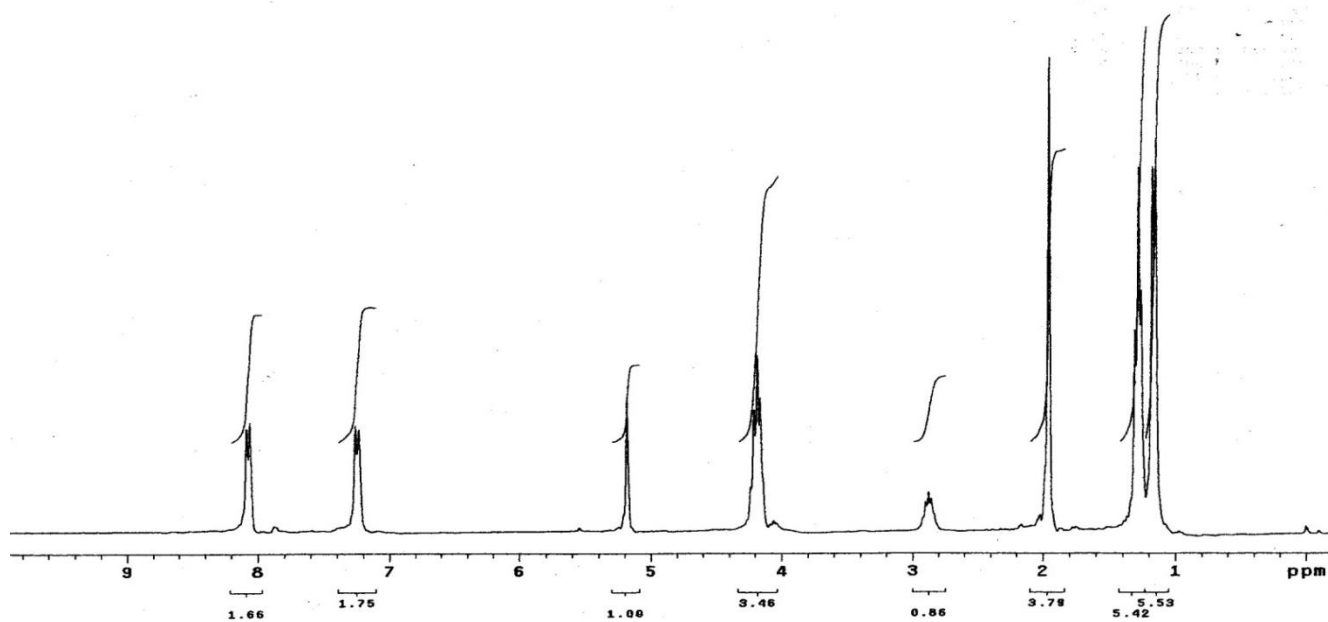
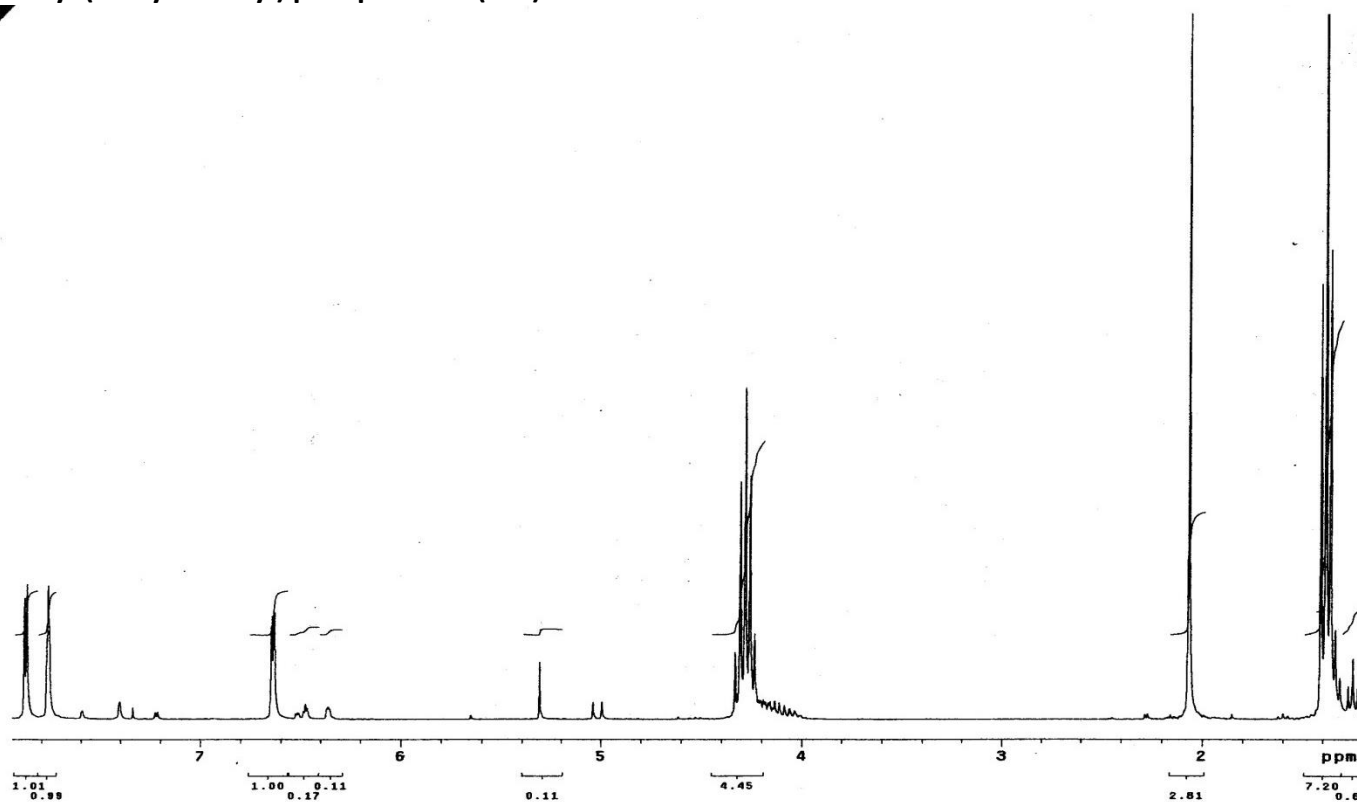
Diethyl- α -trimethylsilyloxy-4-isopropylbenzylphosphonate (4b)Diethyl- α -trimethylsilyloxy-(4-allyloxybenzoyl)benzylphosphonate (7b)

Diethyl (4-methoxybenzoyl) phosphonate (1c)



Diethyl (4-methylbenzoyl) phosphonate (3c)



Diethyl (4-isopropylbenzoyl) phosphonate (4c)**Diethyl (furoylbenzoyl) phosphonate (10c)**

Diisopropyl (2-thiophenoyl) phosphonate (11c)

