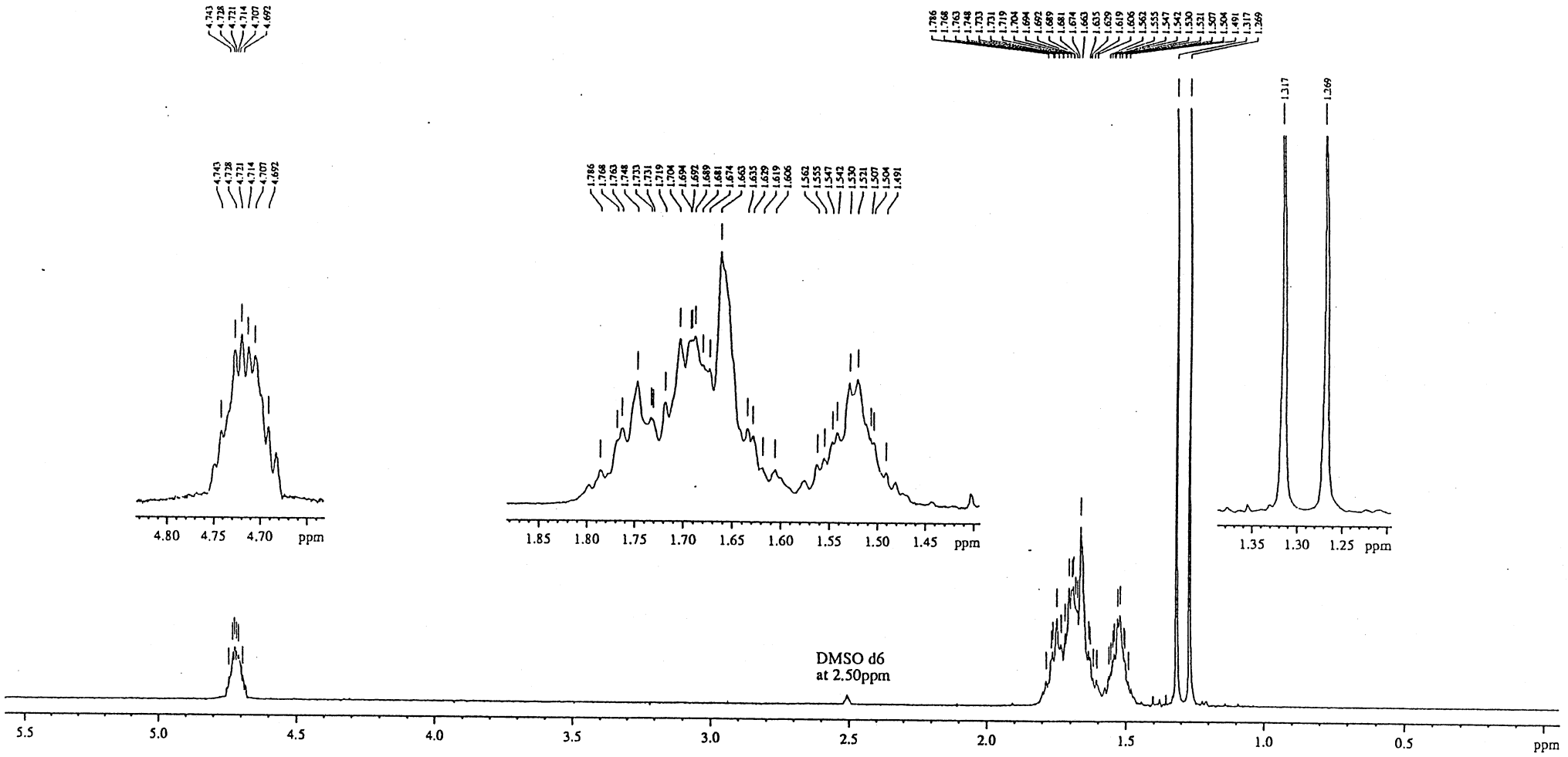
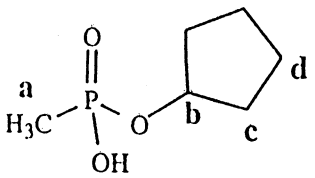


CYCLOPENTYL METHYLPHOSPHONATE



CAS number :	73207-99-5
MF :	$C_6H_{13}O_3P$
Solvent/Lock :	DMSO d_6/DMSO d_6
Nucleus :	^1H
Apparatus :	Bruker AMX 360
Frequency :	360.13 MHz
Temperature :	23°C
Concentration :	≈ 40 mg/ml

Reference :	DMSO d_6 internal
Spectral width :	3300 Hz
Pulse Width :	9.5 µs (90°)
Repetition Time :	4 s
Data points	FID = 16K, SPC = 16K
Line Broadning :	No
Peak Width 1/2 height :	peak 1.27 ppm 1.4 Hz

a : δ = 1.29 ppm ; $J_{P\text{-}a}$ = 17.1 Hz
b : δ = 4.72 ppm ; $J_{P\text{-}b}$ = 7.7 Hz
c,d : 6H δ = 1.58-1.83 ppm
c,d : 2H δ = 1.45-1.58 ppm
shift of OH proton depends on concentration and is thus not given

OPCW Code:1-3-259 (p1/1)