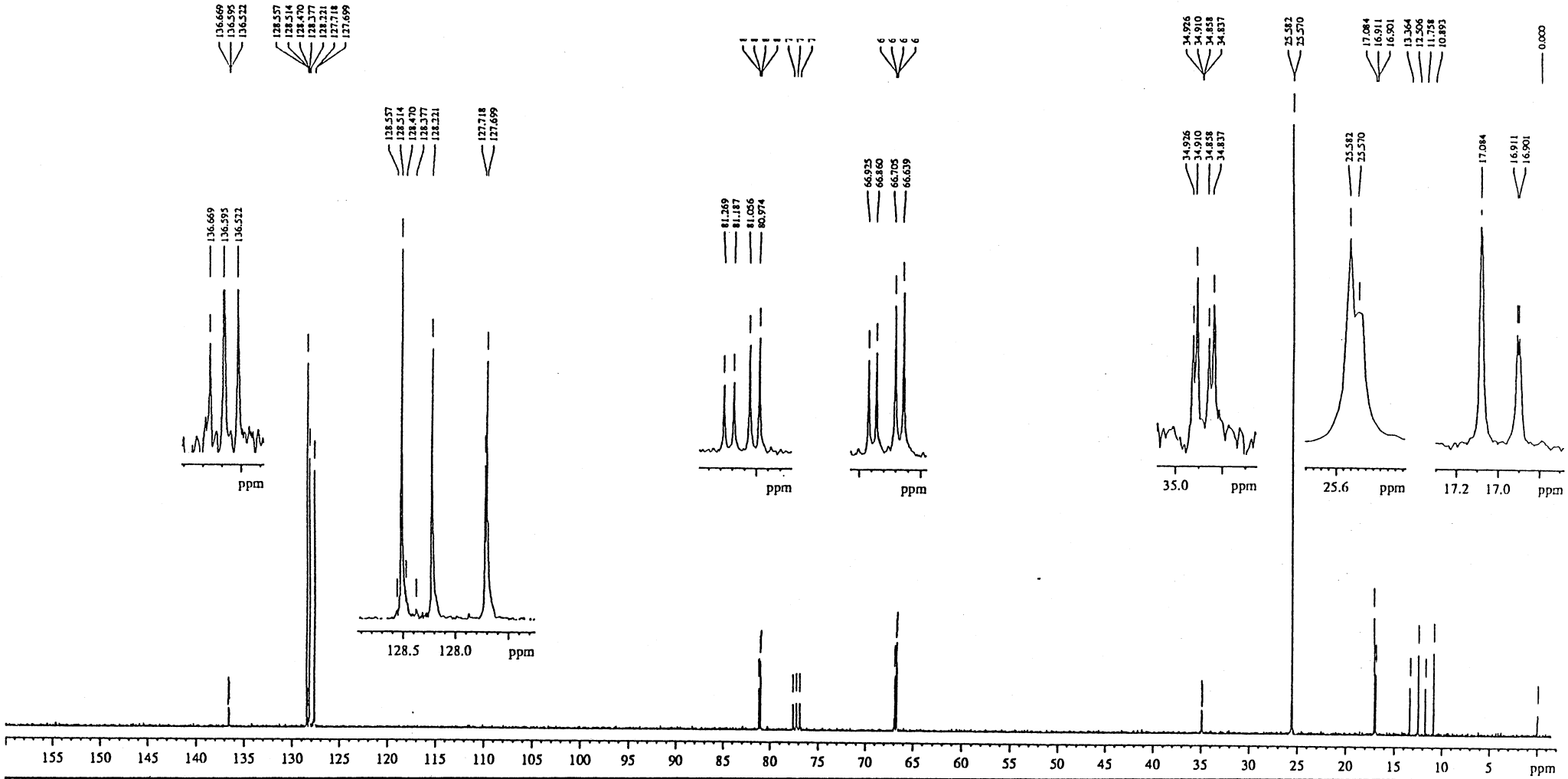
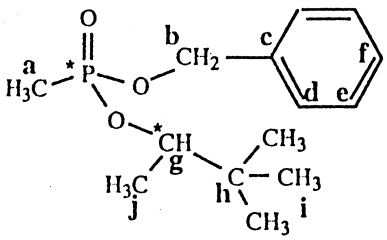


BENZYL(1,2,2-TRIMETHYLPROPYL) METHYLPHOSPHONATE (diastereo isomers)



CAS number :	unknown
MF :	$C_{14}H_{23}O_3P$
Solvent/Lock :	$CDCl_3/CDCl_3$
Nucleus :	^{13}C
Apparatus :	Bruker AMX360
Frequency :	90.56 MHz
Temperature :	23°C
Concentration :	≈ 40 mg/ml

Reference :	TMS internal
Spectral width :	15150 Hz
Pulse Width :	4 µs (90°)
Repetition Time :	1 s
Data points	FID = 32K, SPC = 32K
Line Broadning :	0.6 Hz
Peak Width 1/2 height :	TMS 1.2 Hz

a : δ = 11.70& 12.57p pm ; J_{P-a} = 146.1& 145.2 Hz
b : δ = 66.67 & 66.89 ppm ; J_{P-b} = 6.0 Hz
c : δ =136.56 & 136.63 ppm ; J_{P-c} = 6.5 Hz
d, e : δ =128.52, 127.70 & 127.72 ppm ;
f : δ = 128.22 ppm
g : δ = 81.01 & 81.23 ppm ; J_{P-g} = 7.4 Hz
h : δ = 34.87 & 34.89 ppm ; J_{P-h} = 6.5 Hz
i : δ = 25.58 & 25.57 ppm ;
j : δ = 17.08 & 16.91 ppm ; J_{P-j} = 0.9 Hz

OPCW Code:1-3-83 (p1/1)