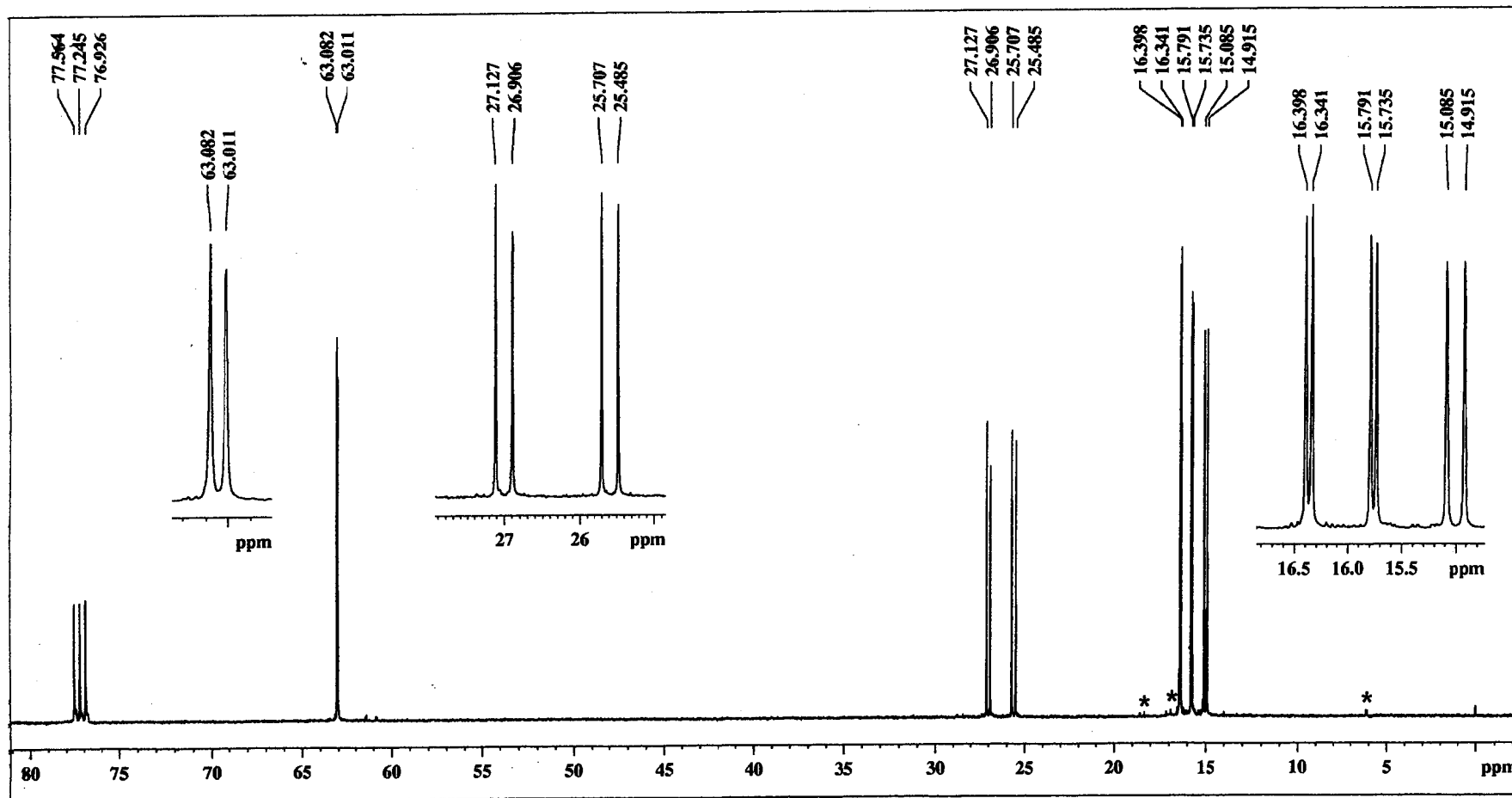
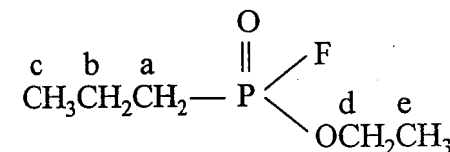


ETHYL PROPYLPHOSPHONOFUORIDATE

$^{13}\text{C}\{\text{H}\}$ -NMR



nuc.	δ [ppm]
a	26.302
b	15.76
c	15.00
d	63.06
e	16.37

J_{a-P}	142.87 Hz
J_{a-F}	22.2 Hz
J_{b-P}	5.43 Hz
J_{c-P}	17.10 Hz
J_{d-P}	7.04 Hz
J_{e-P}	5.33 Hz

* impurities

RES. FREQ. : 100.6127 MHz
 SOLVENT : CDCl_3
 TEMPERATURE : 24°C
 CONCENTRATION : 100 mg/ml
 REFERENCE : TMS [INT.]

SPECTRAL WIDTH : 20080.320 Hz
 DATA POINTS [FID] : 65 K
 DATA POINTS [SPEC.] : 32 K
 PULSE WIDTH : 6.00 μs [90°]
 NUMBER OF SCANS : 2000

REP. TIME : 2.00 s
 LINE BROAD : 0.50 Hz
 RESOLUTION : 1.8 Hz
 INSTRUMENT : BRUKER DPX-400