

³¹P-NMR p1122b2(1H) + cap 85% H₃PO₄
ca 154mg cyclopentyl methylthiophos-
phonofluoridate in ca 0.7ml CDCl₃
214195126.006 jrn.342;146/200

OBSERVE P31

FREQUENCY 161.913 MHz

SPECTRAL WIDTH 19970.0 Hz

ACQUISITION TIME 3.205 sec

RELAXATION DELAY 3.400 sec

PULSE WIDTH 10.4 usec

TEMPERATURE 30.0 deg. C.

NO. REPETITIONS 48

DECOUPLE H1

HIGH POWER 44

DECOUPLER GATED ON DURING ACQUISITION

DECOUPLER GATED OFF DURING DELAY

WALTZ16 MODULATED

DOUBLE PRECISION ACQUISITION

DATA PROCESSING

FT SIZE 131072

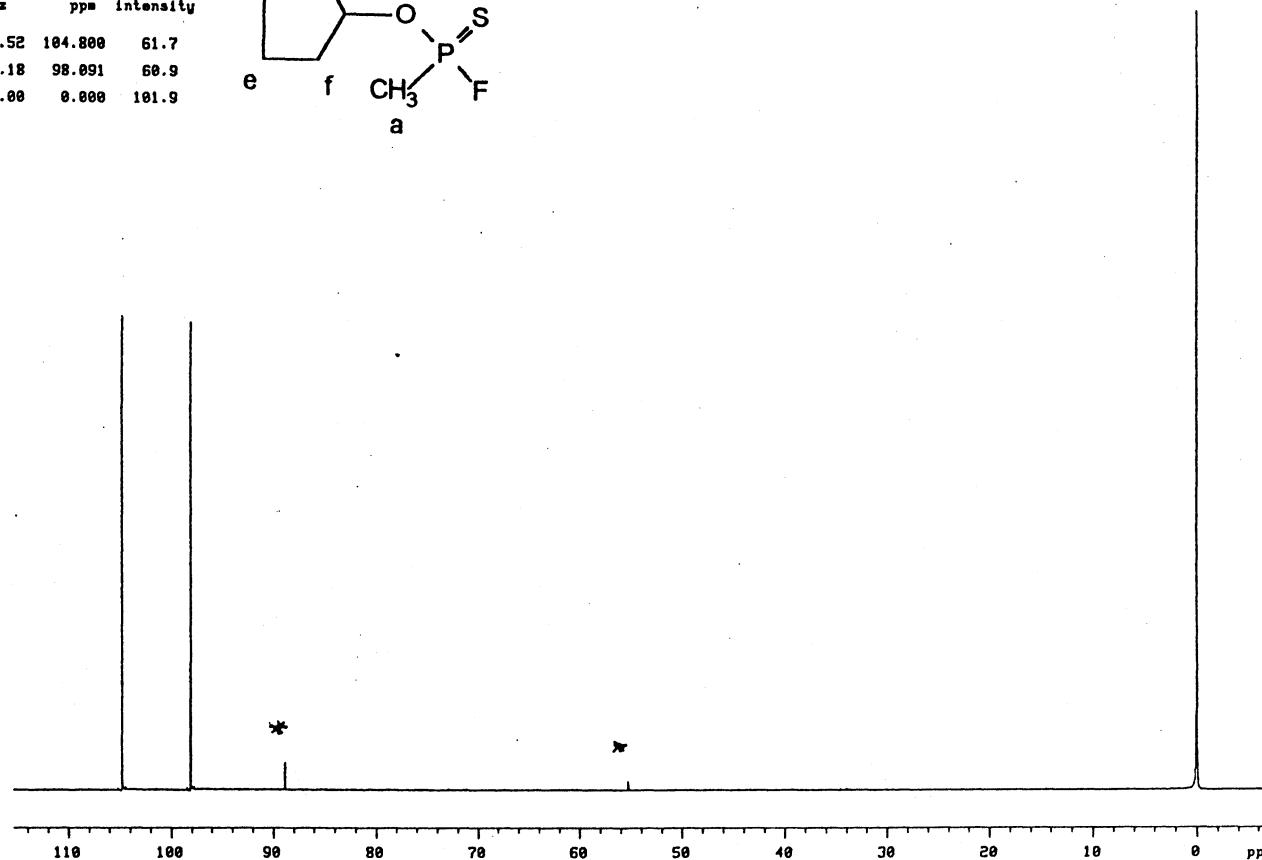
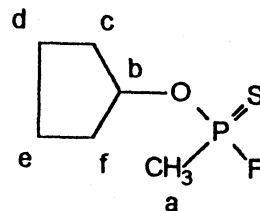
TOTAL ACQUISITION TIME 5 minutes

SPECTRAL LINES for th=55.3

rf1= 1284.4 rfp= 0.0

H₃PO₄ external

nr	Hz	ppm	intensity
1	16968.52	104.800	61.7
2	15882.18	98.091	60.9
3	0.00	0.000	101.9



Cyclopentyl methylthiophosphonofluoridate

CAS 4241-35-4

Nucleus :

Frequency :

Concentration :

Reference H₃PO₄ external.

Instrument :

³¹P{¹H}

161.9 MHz

ca. 154 mg/0.7 ml CDCl₃

Res. : 1.4 Hz (104.8 ppm)

Varian VXR 400S

Temperature : 30 °C

Spectral width : 19970.0 Hz

Data point (FID) : 128 K

Pulse angle : 10.4 μs (60°)

Number of pulses : 48

Repetition time : 6.6 s

Line broadening : not used

Data points (spec) : 128 K

P : 101.4 ppm J(PF): 1086.5 Hz