

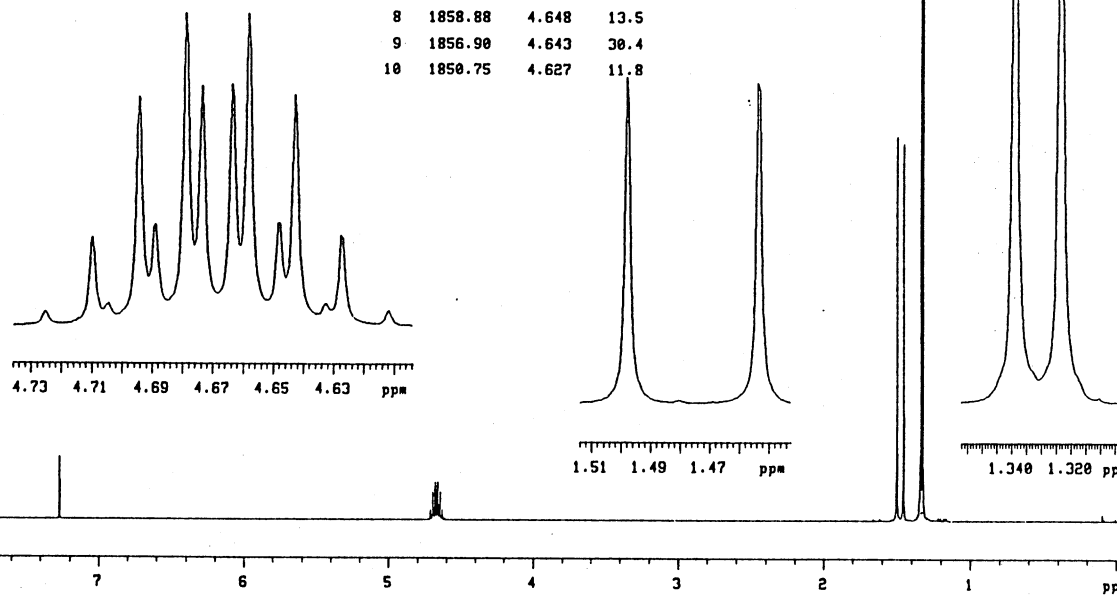
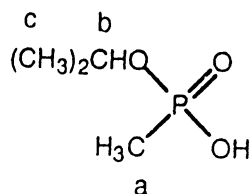
1H-NMR h1c50a  
 9512GM28 in CDC13  
 213194534 jrn.271;176/200  
 OBSERVE H1  
 FREQUENCY 399.958 MHz  
 SPECTRAL WIDTH 6499.8 Hz  
 ACQUISITION TIME 5.041 sec  
 RELAXATION DELAY 3.000 sec  
 PULSE WIDTH 16.5 usec  
 TEMPERATURE 30.0 deg. C.  
 NO. REPETITIONS 372  
 DOUBLE PRECISION ACQUISITION  
 DATA PROCESSING  
 LINE BROADENING 0.1 Hz  
 FT SIZE 65536  
 TOTAL ACQUISITION TIME 49 minutes

SPECTRAL LINES for th=35.9  
 rfl= 819.6 rfp= 0.0  
 TMS=0.00ppm

nr	Hz	ppm	intensity
1	599.26	1.498	50.2
2	581.41	1.454	49.3
3	535.59	1.339	99.5
4	529.44	1.324	98.3

SPECTRAL LINES for th=5.0  
 rfl= 819.6 rfp= 0.0

nr	Hz	ppm	intensity
1	1883.68	4.710	11.6
2	1877.53	4.694	30.1
3	1875.35	4.689	13.4
4	1871.38	4.679	41.4
5	1869.20	4.673	31.7
6	1865.23	4.664	31.8
7	1863.05	4.658	41.4
8	1858.88	4.648	13.5
9	1856.90	4.643	30.4
10	1850.75	4.627	11.8



Isopropyl methylphosphonoate (hydroxysarin)

CAS 1832-54-8

Nucleus :

Frequency : 400.0 MHz

Concentration : ca. 20 mg/0.7 ml CDCl<sub>3</sub>

Reference TMS internal. Resolution : 0.5 Hz (TMS)

Instrument : Varian VXR 400S

Temperature : 30 °C

Spectral width : 6499.8 Hz

Data point (FID) : 64 K

Pulse angle : 16.5 μs (60°)

Number of pulses : 372

Repetition time : 8.0 s

Line broadening : 0.1 Hz

Data points (spec) : 64 K

a: 1.48 ppm J(bc): 6.2 Hz

b: 4.67 ppm J(aP): 17.9 Hz

c: 1.33 ppm J(bP): 8.3 Hz

OH: 10.5 ppm