



CYCLOHEXYL (1-METHYLETHYL)PHOSPHONOFUORIDATE

CAS number :

C₉H₁₈FO₂P

MF :

CDCl₃/CDCl₃

Solvent/Lock :

Nucleus :

¹³C

Apparatus :

Bruker DPX 360

Frequency :

90.56 MHz

Temperature :

23°C

Concentration :

≈ 40 mg/ml

Reference :

TMS internal

Spectral width :

10100 Hz

Pulse Width :

4 μs (90°)

Repetition Time :

1 s

Data points

FID = 32K, SPC = 32K

Line Broadning :

No

Peak Width 1/2 height :

peak 25.08 ppm 0.6 Hz

a : δ = 25.06 ppm ; J_{P-a} = 144.9 Hz ; J_{F-a} = 22.2 Hzb : δ = 15.78 & 15.69 ppm ; J_{P-b} = 5.2 & 5.0 Hzc : δ = 76.99 ppm ; J_{P-c} = 8.0 Hzd : δ = 33.60 ppm ; J_{P-d} = 3.1 Hz ; J_{F-d} = 0.0 Hzd' : δ = 33.40 ppm ; J_{P-d'} = 5.5 Hz ; J_{F-d'} = 1.6 Hze : δ = 23.43 ppm ; J_{P-e} = 2.2 Hz

f : δ = 25.08 ppm

