



* : cis-diastereoisomers
(major component = trans-diastereoisomers)

(2-METHYLCYCLOHEXYL) (1-METHYLETHYL)PHOSPHONOFUORIDATE (Dias.)

CAS number :
MF :
Solvent/Lock :
Nucleus :
Apparatus :
Frequency :
Temperature :
Concentration :

C₁₀H₂₀FO₂P
CDCl₃/CDCl₃
³¹P
Bruker DPX 360
145.78 MHz
23°C
= 40 mg/ml

Reference :
Spectral width :
Pulse Width :
Repetition Time :
Data points
Line Broadning :
Peak Width 1/2 height :

H₃PO₄ external
9750 Hz
8 μs (90°)
1 s
FID = 64K, SPC = 64K
No
peak 38.01 ppm 0.9 Hz

TRANS ISOMERS : (91%)
δ = 34.27 ppm ; J_{P-F} = 1085.7 Hz ; J_{P-a} = 19.9 Hz ;
J_{P-b} = 19.7 Hz ; J_{P-c} = 6.8 Hz
δ = 33.55 ppm ; J_{P-F} = 1085.5 Hz ; J_{P-a} = 19.9 Hz
J_{P-b} = 19.7 Hz ; J_{P-c} = 8.5 Hz

CIS ISOMERS : (5%)
δ = 32.42 ppm ; J_{P-F} = 1066.7 Hz
δ = 31.64 ppm ; J_{P-F} = 1065.6 Hz

