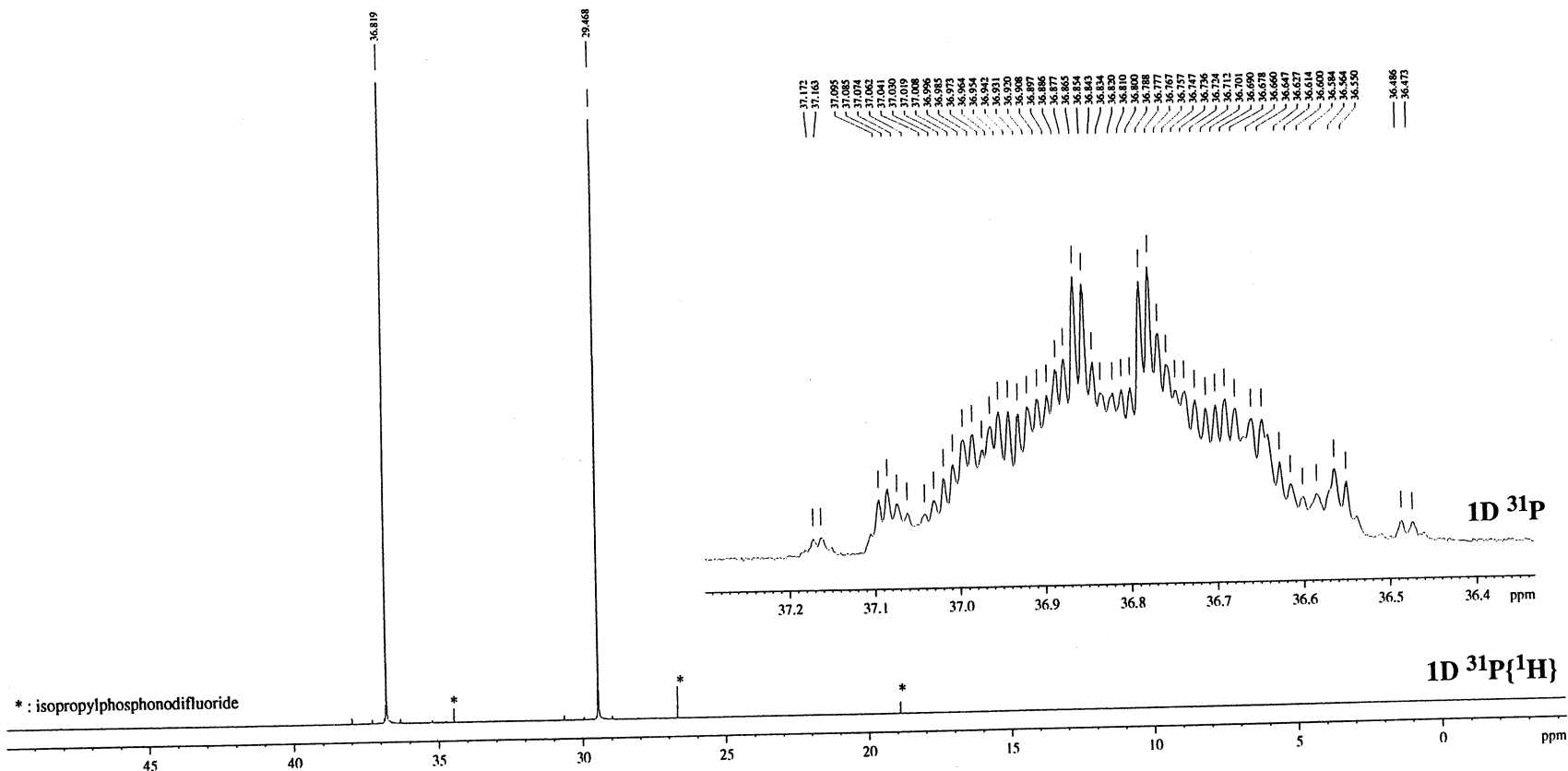


31p

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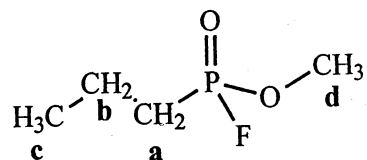


Apparatus : Bruker DPX 360
 Frequency : 145.78 MHz
 Temperature : 25°C
 Pulse Width : 8 μs (90°)
 Repetition Time : 3 s
 Solvent/Lock : CDCl₃/CDCl₃
 Reference : H₃PO₄ external
 Spectral width : 8010 Hz
 Data points : FID = 32K
 SPC = 32K
 Line Broadening : No
 Resolution : peak 36.82 ppm 1.5 Hz

METHYL n-PROPYLPHOSPHONOFUORIDATE

MF : C₄H₁₀FO₂P CAS :

ASSIGNMENT



δ = 33.15 ppm;

J_{P-F} = 1071.5 Hz

J_{P-a} = 18.7 Hz *

J_{P-b} = 14.4 Hz *

J_{P-c} = 1.6 Hz *

J_{P-d} = 11.2 Hz *

* extracted from 1D ¹H, ¹H {³¹P} spectra

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