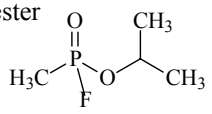
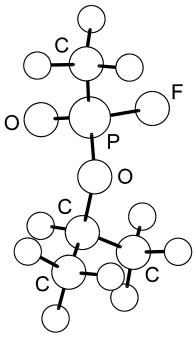
593 **$C_4H_{10}FO_2P$** **Methylphosphonofluoridic acid isopropyl ester** **C_1**
MW
Methylphosphonofluoridic acid 2-methylethyl ester
Isopropyl methylphosphonofluoridate
Sarin



Only one of the two low-energy conformers was detected in the rotationally cold (T_{rot} < 2 K) molecular beam. The structure of this conformer determined from a structural optimization at the MP2/6-311G** level of theory is consistent with the experimental findings. The barrier to internal rotation of the methyl group attached to P is 677.0(4) cm^{-1}.



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