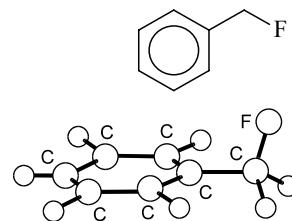


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MW C_7H_7F **Benzyl fluoride**
(Fluoromethyl)benzene C_s

The ground and first excited torsional states differ in energy by 3.426(2) MHz. The tunneling splitting is consistent with a twofold torsional barrier of 58.2(4) cm^{-1} . The minimum energy configuration has the C–C–F plane orthogonal to the plane of the phenyl ring.



Bohn, R.K., Sorenson, S.A., True, N.S., Brupbacher, T., Gerry, M.C.L., Jäger, W.: J. Mol. Spectrosc. **184** (1997) 167.

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