

1366
ED

C₃H₉AsF₂

Trimethylarsenic difluoride

D_{3h} (skeleton) assumed
(CH₃)₃AsF₂

| r_a | Å ^{a)} | θ_a | deg ^{a)} |
|-------|-----------------|------------|-------------------|
| As–C | 1.897(6) | As–C–H | 107.9(15) |
| As–F | 1.820(6) | | |
| C–H | 1.107(13) | | |

The experimental data are consistent with the presence of a single species, the monomer (CH₃)₃AsF₂ with freely rotating CH₃ groups occupying the equatorial sites of a framework in the form of a trigonal bipyramid to complete a skeleton with D_{3h} symmetry. The nozzle temperature was 339 K.

^{a)} Estimated standard errors including a systematic error.

Downs, A.J., Goode, M.J., McGrady, G.S., Steer, I.A., Rankin, D.W.H., Robertson, H.E.:
J. Chem. Soc., Dalton Trans. (1988) 451.

