

1469
ED

C₄F₆

Hexafluoro-2-butyne

essentially **D_{∞h}**
F₃C–C≡C–CF₃

r_a	\AA^a	θ_a	deg^a
C≡C	1.204(4)	C–C–F	110.7(1)
C–C	1.478(4)		
C–F	1.334(2)		

The molecule exhibits essentially free internal rotation.
The nozzle temperature was $\approx 15^\circ\text{C}$.

^a) Estimated standard errors.

Kveseth, K., Seip, H.M., Stølevik, R.: Acta Chem. Scand. **25** (1971) 2975.
See also: Chang, C.H., Andreassen, A.L., Bauer, S.H.: J. Org. Chem. **36** (1971) 920.