

1614
ED

C₄H₆

2-Butyne
Dimethylacetylene

effectively **D_{∞h}**
H3C-C#C-CH3

r_g	\AA^a	θ_α	deg^a
C-H	1.116(6)	C-C-H	110.7(4)
C-C	1.4675(13)		
C≡C	1.2135(13)		

The carbon skeleton is linear. Free internal rotor.
The measurements were made at room temperature.

^a) Estimated limits of error.

Tanimoto, M., Kuchitsu, K., Morino, Y.: Bull. Chem. Soc. Jpn. **42** (1969) 2519.