

1128
MW

C₃H₃P

1-Phospha-3-buten-1-yne
2-Propenylidynephosphine

C_s
H₂C=CH-C≡P

| r_0 | Å ^{a)} | θ_0 | deg ^{a)} |
|-------------------|---------------------|-----------------------|---------------------|
| C-H ^{b)} | 1.106 ^{c)} | C=C-H | 121.7 ^{c)} |
| C=C | 1.344 ^{c)} | C=C-H(<i>cis</i>) | 121.6 ^{c)} |
| C-C | 1.432(20) | C=C-H(<i>trans</i>) | 118.7 ^{c)} |
| C≡P | 1.544 ^{c)} | C=C-C | 123.9(20) |
| | | C-C≡P | 180 ^{c)} |

^{a)} Uncertainties were not estimated in the original paper.

^{b)} All C-H bonds have the same length.

^{c)} Assumed.

Ohno, K., Kroto, H.W., Nixon, J.F.: J. Mol. Spectrosc. **90** (1981) 507.