

1047	C₃H₂	1,2-Propadien-1,3-diyl	
UV		Allene-1,3-diyl	HC=C=CH

State	$\tilde{X}^1\Sigma^?$	$\tilde{A}^1\Sigma^?$
Symmetry	$D_{\infty h}$	$D_{\infty h}^?$
Energy [eV]	0.00	3.059
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r_0 [Å] C–H	1.087 ^{a)}	
C=C	1.299 ^{b)}	

^{a)} Assumed to be as in allene ground state.

^{b)} From partially resolved rotational structure in one band.

Merer, A.J.: Can. J. Phys. **45** (1967) 4103.