

Species Tag:	41004	Name:	C-13-H3CCH
Version:	1		Propyne,
Date:	Dec. 1979		¹³ C isotope
Contributor:	R. L. Poynter		on atom 3

Lines Listed:	821	Q(300.0)=	5580.846
Freq. (GHz) <	1325	Q(225.0)=	3623.263
Max. J:	80	Q(150.0)=	1974.240
LOGSTR0=	-6.7	Q(75.00)=	698.715
LOGSTR1=	-5.8	Q(37.50)=	247.970
Isotope Corr.:	-1.955	Q(18.75)=	90.719
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	35.375
μ_a =	0.750	A=	158590.
μ_b =		B=	8313.24
μ_c =		C=	B

The experimental measurements are from: D. Boucher, J. Burie, J. Demaison, A. Dubrulle, J. Legrand, and B. Segard, 1977, *J. Mol. Spect.* **64**, 290. A. Bauer and S. Maes, 1969, *J. Phys.* **30**, 169. S. G. Kukolich, D. J. Ruben, J. H. S. Wang, and J. R. Williams, 1973, *J. Chem. Phys.* **58**, 3155.

The dipole moment was reported by P. A. Steiner and W. Gordy, 1966, *J. Mol. Spect.* **21**, 291.