Species Tag:	60006	Name:	HCOCH2OH
Version:	2		Glycolaldehyde
Date:	June 2012		g.s. and 3 vibs
Contributor:	B.J. Drouin		
Lines Listed:	212527	Q(300.0)=	68416.9157
Freq. (GHz) <	1627.19	Q(225.0)=	37614.8709
Max. J:	180	Q(150.0)=	16321.0435
LOGSTR0=	-9.9	Q(75.00)=	4632.3551
LOGSTR1=	-9.9	Q(37.50)=	1587.6371
Isotope Corr.:		Q(18.75)=	562.0801
Egy. (cm^{-1}) >	0	Q(9.375)=	199.5575
μ_a =	0.262	A=	18446.2607
μ_b =	2.33	B=	6525.9964
μ_c =	0.00	C=	4969.2358

The observed laboratory frequency measurements were taken from: Marstokk K. M., & Mollendal H. 1970, J. Mol. Struct. 5, 205; Marstokk K. M., & Mollendal H. 1973, J. Mol. Struct. 16, 259; Butler, R. A. H., De Lucia, F. C., Petkie, D. T., Mollendal, H., Horn, A., & Herbst, E. 2001, ApJ, 134, 319; and S. L. Widicus Weaver, R. A. H. Butler, B. J. Drouin, D. T. Petkie, K. A. Dyl, F. C. De Lucia, G. A. Blake, 2005, ApJS, 158(2) 188-192; Carrol P. Drouin B.J., Weaver S.L.W., 2010, Ap. J. 723(1) 845-849. Although they fit to within 3 times experimental uncertainty, ground state measurements between 120 and 400 GHz were not included in the final fit. The dipole moment is taken from Marstokk and Mollendal, J. Mol. Struct. 1973, 5, 205. The partition function is calculated numerically for the ground state and included vibrational states. The analysis includes all significantly thermally populated vibrational states.