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| Species Tag: | 47002 | Name: | HC-13-OOH |
| Version: | 1 | | Formic acid, |
| Date: | March 2008 | | ¹³ C isotope |
| Contributor: | B. J. Drouin | | |

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|----------------------------|--------|-----------|-----------|
| Lines Listed: | 16615 | Q(300.0)= | 9031.5467 |
| Freq. (GHz) < | 1900 | Q(225.0)= | 5864.3244 |
| Max. J: | 90 | Q(150.0)= | 3191.7195 |
| LOGSTR0= | -11.0 | Q(75.00)= | 1129.1304 |
| LOGSTR1= | -11.0 | Q(37.50)= | 399.9949 |
| Isotope Corr.: | -1.955 | Q(18.75)= | 142.0326 |
| Egy. (cm ⁻¹) > | 0.0 | Q(9.375)= | 50.6641 |
| μ_a = | 1.396 | A= | 77580.871 |
| μ_b = | 0.260 | B= | 12053.568 |
| μ_c = | | C= | 10378.999 |

The H¹³COOH global fit was based on 716 assignments (610 measured) and of these 457 are new lines measured by Lattanzi *et al.* Ap. J. Supp. *in press* 2008. Other lines are taken from work by Wellington Davis, R., Robiette, A. G., Gerry, M. C. L., Bjarnov, E., & Winnewisser, G. 1980, J. Mol. Spectrosc., 81, 93 below 185 GHz and from a more recent study by Winnewisser, M., et al. 2002, J. Mol. Spectrosc., 216, 259 in the ranges 172-366 GHz and 835-993 GHz. Original measurement from J. Bellet, A. Deldalle, C. Samson, G. Steenbeckeliers, and R. Wertheimer, 1971, J. Mol. Struc. **9**, 65, and R. G. Lerner, B. P. Dailey, and J. P. Friend, 1957, J. Chem. Phys. **26**, 680 are also included in the analysis. The dipole moment was assumed to be the same as for the parent species.