

OH + ¹²C¹⁶O	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm⁻¹					
OH	17.00274	565.30320			3745.5					
¹² C ¹⁶ O	27.99491	57.14761			2154.1					
OH... ¹² C ¹⁶ O (hb1)	44.99765	2.93282			3730.0	2086.4	323.9	323.9	104.3	72.4
<i>trans</i> -HO... ¹² C ¹⁶ O (TS1)	44.99765	109.22610	6.96020	6.54325	3759.7	2134.5	676.0	216.2	214.6	-258.3
<i>trans</i> -HO... ¹² C ¹⁶ O (MIN)	44.99765	164.69014	11.39721	10.65953	3830.7	1896.7	1262.7	1087.3	617.9	533.3
HO... ¹² C ¹⁶ O (TS5)	44.99765	147.14389	11.10554	10.65616	3793.6	1877.0	1126.2	996.5	644.4	-585.1
<i>cis</i> -HO... ¹² C ¹⁶ O (MIN)	44.99765	140.21313	11.71451	10.81125	3663.0	1858.5	1318.0	1078.6	602.6	578.9
<i>cis</i> -HO... ¹² C ¹⁶ O (TS2)	44.99765	224.83223	10.99825	10.48533	2169.3	1303.3	946.6	642.9	525.4	-2035.2
¹⁶ O ¹² C ¹⁶ O	43.98983	11.61428			2396.9	1346.3	660.4	660.4		
H	1.00783									
OH + ¹²C¹⁷O	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm⁻¹					
OH	17.00274	565.30320			3745.5					
¹² C ¹⁷ O	28.99913	55.70051			2126.7					
OH... ¹² C ¹⁷ O (hb1)	46.00187	2.86950			3730.0	2059.9	323.8	323.8	103.6	71.7
<i>trans</i> -HO... ¹² C ¹⁷ O (TS1)	46.00187	107.92004	6.79738	6.39461	3759.6	2107.2	675.7	215.9	212.1	-257.7
<i>trans</i> -HO... ¹² C ¹⁷ O (MIN)	46.00187	163.53588	11.07255	10.37040	3830.7	1875.8	1261.3	1084.4	611.7	532.5
HO... ¹² C ¹⁷ O (TS5)	46.00187	146.00910	10.79505	10.36432	3793.5	1854.4	1125.4	995.4	637.4	-584.3
<i>cis</i> -HO... ¹² C ¹⁷ O (MIN)	46.00187	139.22224	11.37721	10.51771	3662.9	1837.3	1317.7	1075.2	596.5	578.2
<i>cis</i> -HO... ¹² C ¹⁷ O (TS2)	46.00187	224.04412	10.67355	10.18818	2155.8	1289.9	943.9	641.2	523.1	-2033.9
¹⁶ O ¹² C ¹⁷ O	44.99405	11.26844			2387.3	1326.0	657.7	657.7	0.0	0.0
H	1.00783									
OH + ¹²C¹⁸O	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm⁻¹					
OH	17.00274	565.30320			3745.5					
¹² C ¹⁸ O	29.99916	54.41990			2102.1					
OH... ¹² C ¹⁸ O (hb1)	47.00190	2.81163			3730.0	2036.2	323.7	323.7	103.0	71.2
<i>trans</i> -HO... ¹² C ¹⁸ O (TS1)	47.00190	106.76101	6.64886	6.25906	3759.6	2082.7	675.5	215.7	209.8	-257.1
<i>trans</i> -HO... ¹² C ¹⁸ O (MIN)	47.00190	162.51299	10.77952	10.10899	3830.7	1857.2	1260.0	1081.6	606.0	531.8
HO... ¹² C ¹⁸ O (TS5)	47.00190	145.00410	10.51446	10.10059	3793.5	1834.2	1124.7	994.4	630.9	-583.6
<i>cis</i> -HO... ¹² C ¹⁸ O (MIN)	47.00190	138.34561	11.07290	10.25232	3662.9	1818.4	1317.3	1072.0	591.0	577.5
<i>cis</i> -HO... ¹² C ¹⁸ O (TS2)	47.00190	223.34165	10.38126	9.92016	2144.1	1277.4	941.4	639.7	521.0	-2032.8

$^{16}\text{O}^{12}\text{C}^{18}\text{O}$	45.99408	10.95767	2379.1	1307.4	655.4	655.3	0.0	0.0
H	1.00783							

OH + $^{13}\text{C}^{16}\text{O}$	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm ⁻¹				
OH	17.00274	565.30320			3745.5				
$^{13}\text{C}^{16}\text{O}$	28.99827	54.62820			2106.1				
OH... $^{13}\text{C}^{16}\text{O}$ (hb1)	46.00101	2.92126			3730.0	2039.7	323.1	323.1	103.6 70.6
<i>trans</i> -HO... $^{13}\text{C}^{16}\text{O}$ (TS1)	46.00101	104.23945	6.94128	6.50792	3759.6	2087.2	675.7	215.2	210.8 -254.5
<i>trans</i> -HO... $^{13}\text{C}^{16}\text{O}$ (MIN)	46.00101	156.76190	11.39455	10.62244	3830.7	1852.0	1259.1	1067.8	610.7 531.0
HO... $^{13}\text{C}^{16}\text{O}$ (TS5)	46.00101	140.73579	11.10193	10.61838	3793.5	1833.7	1118.0	981.2	637.1 -581.8
<i>cis</i> -HO... $^{13}\text{C}^{16}\text{O}$ (MIN)	46.00101	134.18363	11.71189	10.77171	3662.9	1814.6	1305.2	1066.4	595.8 574.8
<i>cis</i> -HO... $^{13}\text{C}^{16}\text{O}$ (TS2)	46.00101	220.84084	10.99743	10.47576	2109.8	1297.1	932.9	630.1	522.3 -2025.6
$^{16}\text{O}^{13}\text{C}^{16}\text{O}$	44.99319	11.61428			2328.6	1346.3	641.6	641.6	0.0 0.0
H	1.00783								

OH + $^{13}\text{C}^{17}\text{O}$	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm ⁻¹				
OH	17.00274	565.30320			3745.5				
$^{13}\text{C}^{17}\text{O}$	30.00249	53.18109			2078.0				
OH... $^{13}\text{C}^{17}\text{O}$ (hb1)	47.00523	2.85954			3730.0	2012.6	323.0	323.0	103.0 70.0
<i>trans</i> -HO... $^{13}\text{C}^{17}\text{O}$ (TS1)	47.00523	102.90366	6.78174	6.36244	3759.6	2059.2	675.5	215.0	208.3 -253.9
<i>trans</i> -HO... $^{13}\text{C}^{17}\text{O}$ (MIN)	47.00523	155.57600	11.07118	10.33567	3830.7	1830.4	1257.5	1065.1	604.6 530.2
HO... $^{13}\text{C}^{17}\text{O}$ (TS5)	47.00523	139.57052	10.79291	10.32905	3793.5	1810.5	1117.4	980.0	630.1 -581.0
<i>cis</i> -HO... $^{13}\text{C}^{17}\text{O}$ (MIN)	47.00523	133.16230	11.37590	10.48056	3662.9	1792.7	1304.8	1063.2	589.8 574.1
<i>cis</i> -HO... $^{13}\text{C}^{17}\text{O}$ (TS2)	47.00523	219.99883	10.67332	10.17946	2095.9	1283.5	930.4	628.4	519.9 -2024.3
$^{16}\text{O}^{13}\text{C}^{17}\text{O}$	45.99740	11.26827			2318.8	1326.0	638.9	638.8	0.0 0.0
H	1.00783								

OH + $^{13}\text{C}^{18}\text{O}$	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm ⁻¹				
OH	17.00274	565.30320			3745.5				
$^{13}\text{C}^{18}\text{O}$	31.00251	51.90048			2052.8				
OH... $^{13}\text{C}^{18}\text{O}$ (hb1)	48.00525	2.80302			3730.0	1988.3	322.9	322.9	102.4 69.4
<i>trans</i> -HO... $^{13}\text{C}^{18}\text{O}$ (TS1)	48.00525	101.71829	6.63595	6.22954	3759.6	2034.1	675.3	214.7	206.0 -253.4
<i>trans</i> -HO... $^{13}\text{C}^{18}\text{O}$ (MIN)	48.00525	154.52525	10.77895	10.07609	3830.7	1811.3	1256.1	1062.6	599.0 529.5

HO ^{...13} C ¹⁸ O (TS5)	48.00525	138.53867	10.51330	10.06728	3793.5	1789.7	1116.8	978.9	623.8	-580.3
<i>cis</i> -HO ^{...13} C ¹⁸ O (MIN)	48.00525	132.25889	11.07237	10.21703	3662.9	1773.2	1304.4	1060.1	584.4	573.5
<i>cis</i> -HO ^{...13} C ¹⁸ O (TS2)	48.00525	219.24805	10.38125	9.91193	2083.8	1270.9	928.1	626.8	517.8	-2023.2
¹⁶ O ¹³ C ¹⁸ O	46.99743	10.95707			2310.4	1307.4	636.4	636.4	0.0	0.0
H	1.00783									

OD + ¹² C ¹⁶ O	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm ⁻¹					
OD	18.00902	299.60997			2726.8					
¹² C ¹⁶ O	27.99491	57.14761			2154.1					
OD ^{...12} C ¹⁶ O (hb1)	46.00393	2.89439			2715.2	2086.3	239.2	239.2	102.5	70.5
<i>trans</i> -DO ^{...12} C ¹⁶ O (TS1)	46.00393	98.22567	6.63503	6.21520	2737.3	2134.4	494.0	212.9	165.9	-256.9
<i>trans</i> -DO ^{...12} C ¹⁶ O (MIN)	46.00393	151.95299	10.65435	9.95626	2788.7	1890.2	1122.9	929.0	593.4	410.5
DO ^{...12} C ¹⁶ O (TS5)	46.00393	120.51388	10.50017	10.17112	2760.8	1876.3	1030.2	815.7	634.6	-463.9
<i>cis</i> -DO ^{...12} C ¹⁶ O (MIN)	46.00393	108.67695	11.39986	10.31758	2662.9	1857.7	1156.6	980.7	544.3	476.8
<i>cis</i> -DO ^{...12} C ¹⁶ O (TS2)	46.00393	135.01090	10.46744	9.71429	2160.0	1244.3	858.0	608.4	406.8	-1621.8
¹⁶ O ¹² C ¹⁶ O	43.98983	11.61428			2396.9	1346.3	660.4	660.4	0.0	0.0
D	2.01410									

OD + ¹² C ¹⁷ O	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm ⁻¹					
OD	18.00902	299.60997			2726.8					
¹² C ¹⁷ O	28.99913	55.70051			2126.7					
OD ^{...12} C ¹⁷ O (hb1)	47.00815	2.83061			2715.2	2059.9	239.0	239.0	101.8	69.9
<i>trans</i> -DO ^{...12} C ¹⁷ O (TS1)	47.00815	97.25786	6.47662	6.07226	2737.3	2107.0	493.7	210.4	165.5	-256.2
<i>trans</i> -DO ^{...12} C ¹⁷ O (MIN)	47.00815	151.13432	10.34958	9.68627	2788.7	1868.6	1122.1	925.0	588.0	409.5
DO ^{...12} C ¹⁷ O (TS5)	47.00815	119.69363	10.20785	9.89136	2760.8	1853.7	1028.5	815.5	627.5	-462.9
<i>cis</i> -DO ^{...12} C ¹⁷ O (MIN)	47.00815	108.00770	11.06943	10.04041	2662.9	1836.5	1155.3	977.3	539.1	475.9
<i>cis</i> -DO ^{...12} C ¹⁷ O (TS2)	47.00815	134.55638	10.15852	9.44543	2145.9	1230.8	855.5	606.5	405.1	-1620.6
¹⁶ O ¹² C ¹⁷ O	44.99405	11.26844			2387.3	1326.0	657.7	657.7	0.0	0.0
D	2.01410									

OD + ¹² C ¹⁸ O	Mass /amu	IA /GHz	IB /GHz	IC /GHz	Freq. /cm ⁻¹
OD	18.00902	299.60997			2726.8
¹² C ¹⁸ O	29.99916	54.41990			2102.1

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