

Species Tag:	37004	Name:	DCI ⁺
Version:	2		Chloroniumyl cation
Date:	Dec. 2016		v = 0,1
Contributors:	B. J. Drouin		
Lines Listed:	207	Q(300.0)=	90.9282
Freq. (GHz) <	7500	Q(225.0)=	67.2334
Max. J:	40	Q(150.0)=	45.4749
LOGSTR0=	-8.0	Q(75.00)=	24.7062
LOGSTR1=	-10.0	Q(37.50)=	14.5767
Isotope Corr.:	-0.122	Q(18.75)=	9.9131
Egy. (cm ⁻¹) >	0.0	Q(9.375)=	8.2563
μ_a =	1.75	A=	
μ_b =		B=	293443.75
μ_c =		C=	

The work of H. Gupta, B. J. Drouin, & J. C. Pearson, 2012, ApJ, **751**, L38 and the optical spectra in W. D. Sheasley, 1972, Ph.D. Dissertation, The Ohio State University; Ann Arbor, MI. is expanded to include vibrational data from Doménech, Drouin, Cernicharo *et al.* ApJL 833 L32 (2016). The dipole moment (μ_0) was calculated by M. Cheng *et al.* 2007, Phys. Rev. A, **75**, 012502 and is assumed to be the same as the main isotopologue. The state identifiers v = 20 and v = 21 refer to the ground and first excited vibrational levels, respectively. No hyperfine splittings are included despite their prominence for low-*J* rotational transitions.