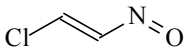
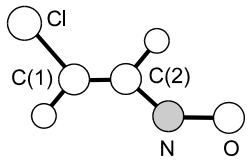
211 **C_2H_2ClNO** **(*E*)-1-Chloro-2-nitrosoethene** **C_s**

MW



r_0	Å		θ_0	deg	
	set I	set II		set I	set II
C=C	1.320(5)	1.310(5)	Cl–C=C	123.0(5)	123.0(5)
C–Cl	1.716(5)	1.726 [a])	C=C–N	116.1 [a])	116.1(5)
C(1)–H	1.080 [a])	1.080 [a])	H–C(1)=C(2)	123.0 [a])	123.0 [a])
C(2)–H	1.089 [a])	1.089 [a])	C(1)=C(2)–H	121.0 [a])	121.0 [a])
C–N	1.434 [a])	1.434 [a])	C–N=O	112.90 [a])	112.90 [a])
N=O	1.220 [a])	1.220 [a])			

Atom	$\|a_s\|$ [Å]	$\|b_s\|$ [Å]
Cl	2.0849	0.122



Cl and NO are in *trans* position with respect to the C=C bond.

[a]) Assumed.

Sakaizumi, T., Nishikawa, M., Ohashi, O.: J. Mol. Spectrosc. **178** (1996) 113.