

## Structure Data of Free Polyatomic Molecules

81 MW	<b>CHKrO<sup>+</sup></b>	<b>Formylium – krypton (1/1)</b> Oxomethylium – krypton (1/1) (weakly bound ionic complex)	<b>C<sub>∞v</sub></b> (effective symmetry class) (large-amplitude motion) Kr · H–C <sup>+</sup> =O
	$r_0$	$\theta_0$	
	$\text{Kr}\dots\text{H}$	$\gamma^{\text{a}}$	
	$\text{\AA}$	deg	
	2.222(1)	9.4(30)	

The ionic complex has a linear H-bound form, and the intermolecular stretching wavenumber and the force constant are estimated to be 129 cm<sup>-1</sup> and 21.23 N m<sup>-1</sup>, respectively.

<sup>a</sup>) Deviation of Kr...H–C bending angle from the linearity. Average value.

Seki, K., Sumiyoshi, Y., Endo, Y.: Chem. Phys. Lett. **331** (2000) 184.