

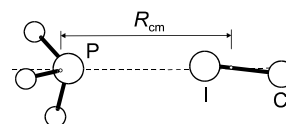
134
MW

 ClH_3IP
Iodine chloride – phosphine (1/1)
(weakly bound complex)

 C_{3v}
(effective symmetry class)
(large-amplitude motion)
 $\text{ICl} \cdot \text{PH}_3$

r_0	\AA
P...I	2.963(1)
R_{cm}	3.5324(10) ^{a)}

The nuclei lie in the order $\text{H}_3\text{P} \dots \text{ICl}$. The intermolecular stretching force constant k_σ is 20.7 N m^{-1} .



^{a)} For $\text{I}^{35}\text{Cl} \cdot \text{PH}_3$. Uncertainty was not estimated in the original paper.

Davey, H.B., Legon, A.C., Wacławik, E.R.: Phys. Chem. Chem. Phys. **2** (2000) 2265.