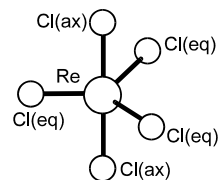


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ED Cl_5Re **Rhenium pentachloride**Rhenium(V) chloride
Pentachlororhenium(V) D_{3h}
 ReCl_5

r_a	\AA^a
Re–Cl (mean)	2.248(3)
Re–Cl(eq)	2.237(7)
Re–Cl(ax)	2.262(12)
$\Delta(\text{Re–Cl})^b$	0.026(7)



Molecular models with C_{2v} and D_{3h} symmetry were tested in the ED analysis, and the latter was preferred.

The nozzle temperature was 175(5) °C.

^a) Twice the estimated standard errors including a systematic error.

^b) $[\text{Re–Cl(ax)}] - [\text{Re–Cl(eq)}]$.

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