

Download Structure Of Cl₂O₇

Place I in the center and arrange the 5 Cl around it. The I will have a total of 12 electrons around it. 10 of them from the bonding to the 5 Cl and a lone pair. Dichlorine heptoxide is the chemical compound with the formula Cl₂O₇. This chlorine oxide is the anhydride of perchloric acid. It is produced by the careful distillation of perchloric acid in the presence of the dehydrating agent phosphorus pentoxide: $2 \text{HClO}_4 + \text{P}_2\text{O}_5 \rightarrow \text{Cl}_2\text{O}_7 + \text{H}_2\text{P}_2\text{O}_7$