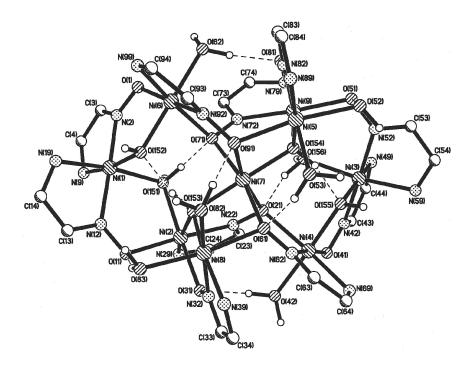
## **Supplementary Material:**



A perspective view of the hydrogen bonding in  $\mathrm{Ni}^{\mathrm{II}}{}_{9}$  cluster