

Preparation of $[\text{BzMe}_3\text{N}]_2[\text{Na}_2\text{W}_4\text{O}_{12}(\text{OMe})_4(\text{MeOH})_6] \cdot 6\text{MeOH}$

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Abstrak

An attempt to prepare trinuclear tungsten oxoalkoxides $[\text{BzMe}_3\text{N}]_3[\text{W}_3\text{O}_8(\text{OMe})_5]$ from the reaction between $\text{WO}_2(\text{OMe})_2$, $[\text{BzMe}_3\text{N}]_2\text{WO}_4$ and $[\text{BzMe}_3\text{N}](\text{OMe})$ in the ratio of 2:1:1 in MeOH produced $[\text{BzMe}_3\text{N}]_2[\text{Na}_2\text{W}_4\text{O}_{12}(\text{OMe})_4(\text{MeOH})_6] \cdot 6\text{MeOH}$. Suitable crystals for X-ray crystallographic studies were obtained from hot mixture of methanol-acetonitrile solution. The I.R., ^1H -NMR, and microanalysis data including crystal structure of $[\text{Na}_2\text{W}_4\text{O}_{12}(\text{OMe})_4(\text{MeOH})_6]^{2-}$ anion are reported.