

The synthesis of $[\text{BzMe}_3\text{N}]_2[\text{Mo}_4\text{O}_{10}(\text{OMe})_6]$

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=118484&lokasi=lokal>

Abstrak

In an attempt to synthesize $[\text{BzMe}_3\text{N}]_2\text{Mo}_2\text{O}_5(\text{OMe})_5$ from the reaction of $[\text{BzMe}_3\text{N}]_2\text{MoO}_4$ and $\text{MoO}(\text{OMe})_4$ in the ratio of 1:1 in methanol has produced $[\text{BzMe}_3\text{N}]_2\text{Mo}_4\text{O}_{10}(\text{OMe})_6$. The formation of $[\text{Mo}_4\text{O}_{10}(\text{OMe})_6]^{2-}$ anion suggests that ligand dissociation has occurred in solution. Suitable crystals for X-ray crystallographic were obtained from hot methanol and the crystal structure of $[\text{BzMe}_3\text{N}]_2\text{Mo}_4\text{O}_{10}(\text{OMe})_6$ has been solved and reported here in.