

## 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>

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### 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.