

Preparation of [BzMe₃N]₂[Na₂W₄O₁₂(OMe)₄(MeOH)₆].6MeOH

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Abstrak

An attempt to prepare trinuclear tungsten oxoalkoxides [BzMe₃N]₃[W₃O₈(OMe)₅] from the reaction between

WO₂(OMe)₂, [BzMe₃N]₂WO₄ and [BzMe₃N](OMe) in the ratio of 2:1:1 in MeOH produced [BzMe₃N]₂[Na₂W₄O₁₂(OMe)₄(MeOH)₆].6MeOH. Suitable crystals for X-ray chrystrallographic studies were obtained from hot mixture of methanol-acetonitrile solution. The I.R., ¹H-NMR, and microanalysis data including crystal structure of [Na₂W₄O₁₂(OMe)₄(MeOH)₆]₂- anion are reported.