Poster Presentation P38

## THE SYNTHESIS OF RESORCINARENES CATALYZED BY BISMUTH TRIFLATE

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A synthesis of resorcinarenes 3 by condensation of aldehydes 1 with resorcinol 2 has been achieved using bismuth triflate as a catalyst. Resorcinarenes are of interest because of their applications as liquid crystals and as cavitands. Bismuth compounds are attractive as reagents and catalysts in organic synthesis due to their remarkably low cost and ease of handling. The influence of reaction time and solvent on product conformation will be discussed. Some mechanistic studies will also be presented.

