

## A new approach to the preparation of monobromosubstituted xylenes

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### Abstract

The example of low-waste and environmentally safe way to produce bromoderivatives of *o*-xylene by treating the substrate with molecular bromine in the aqueous phase in the dark is made. Methods of isolation and purification final product are shown. Side products and their percentage are identified. The conditions and process parameters are described. The structure of derived compounds was ascertained by <sup>1</sup>H NMR and gas-liquid chromatography methods. The probable reaction schemes is shown.