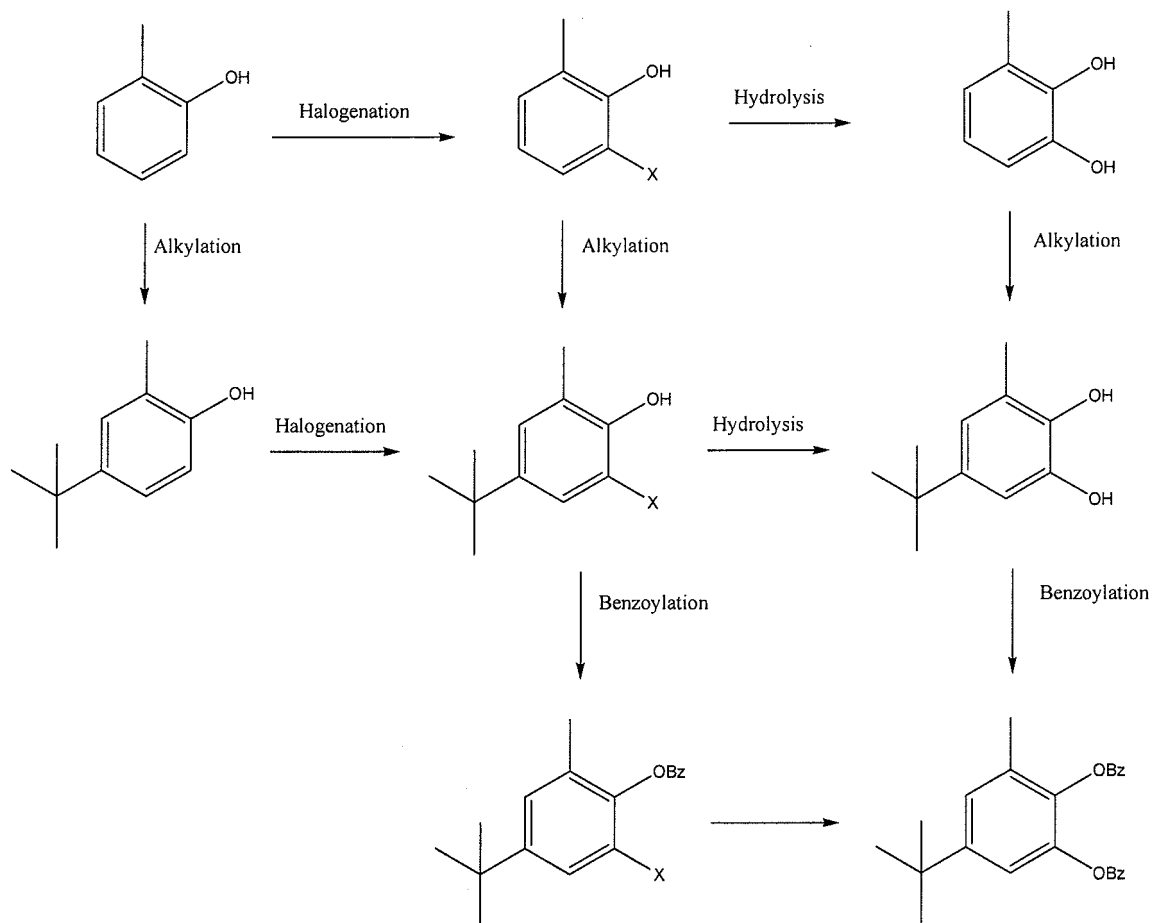


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FIG. 1

Reaction Scheme 1

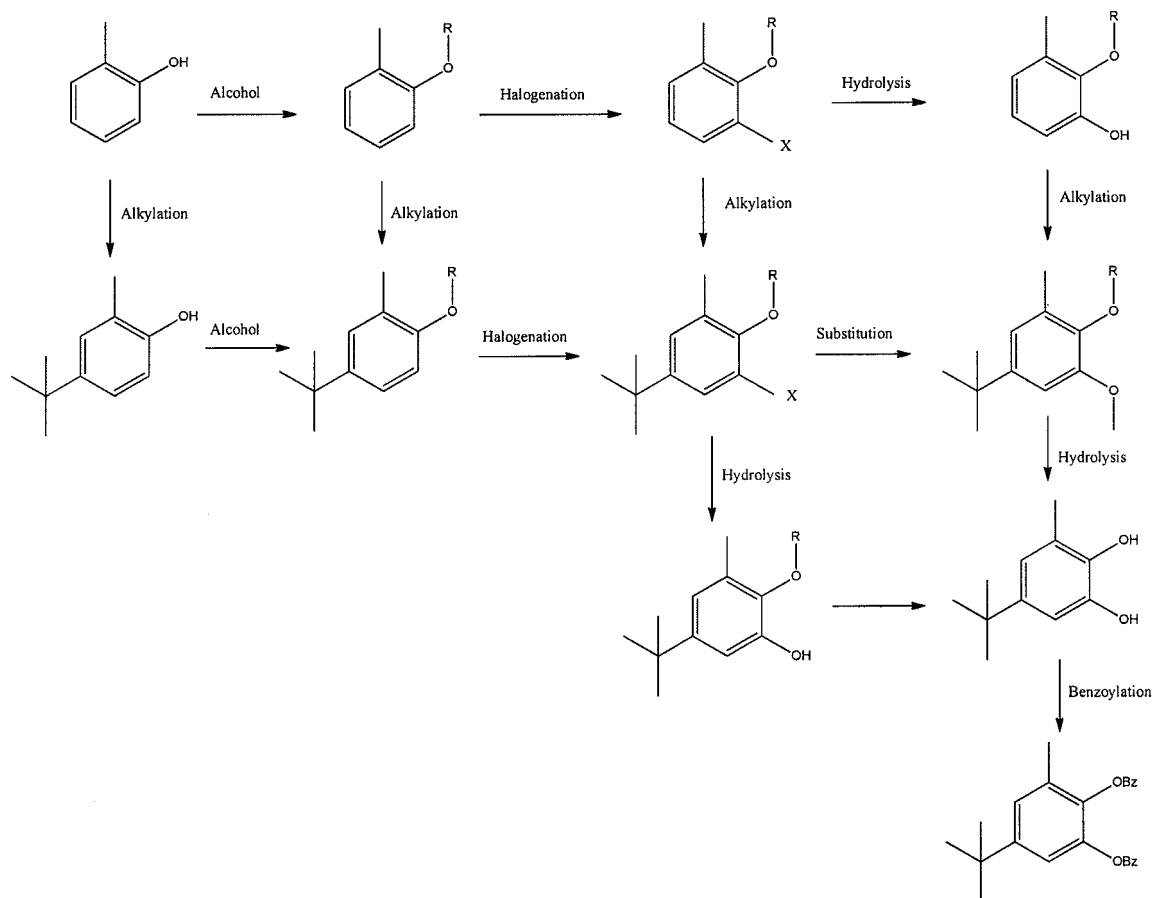
Reaction Pathways for Synthesizing BMC/BMPD from o-Cresol as Starting Material

x = Halogen

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FIG. 2

Reaction Scheme 2

Reaction Pathways for Synthesizing BMC/BMPD from o-Cresol and Alcohol as Starting Material

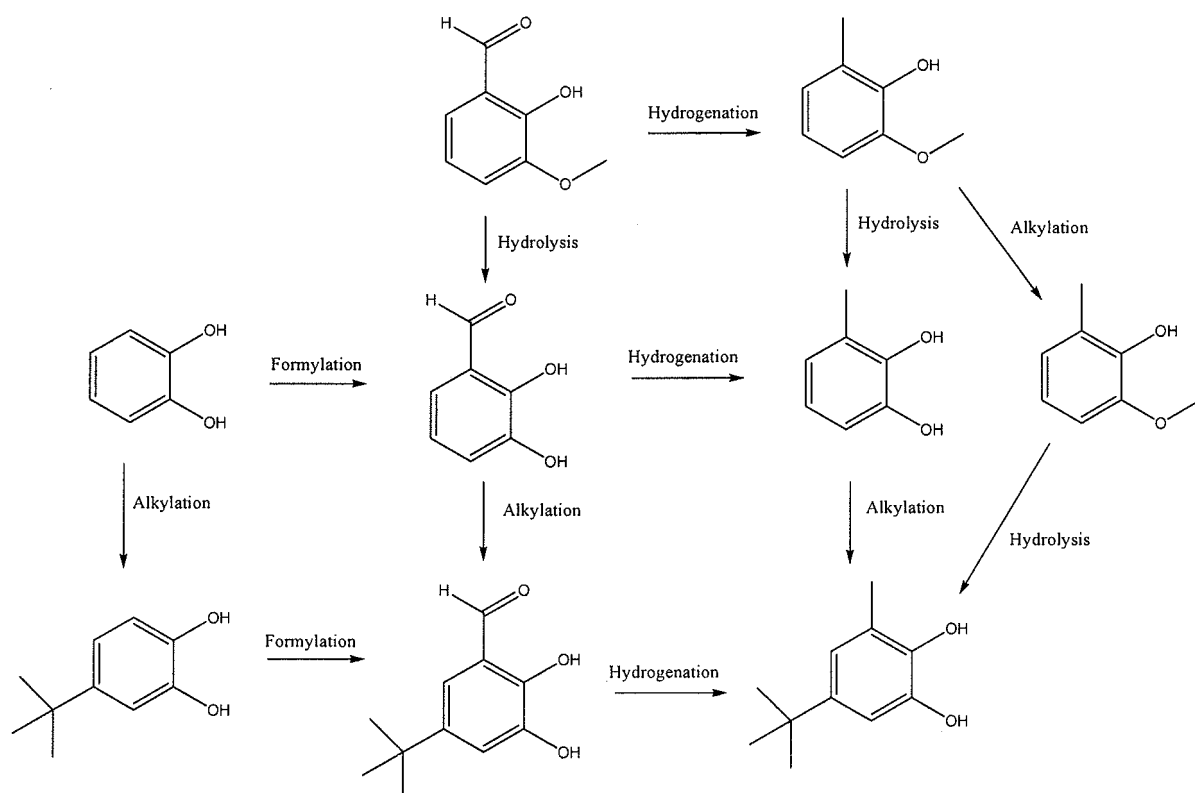
x = Halogen

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FIG. 3

Reaction Scheme 3

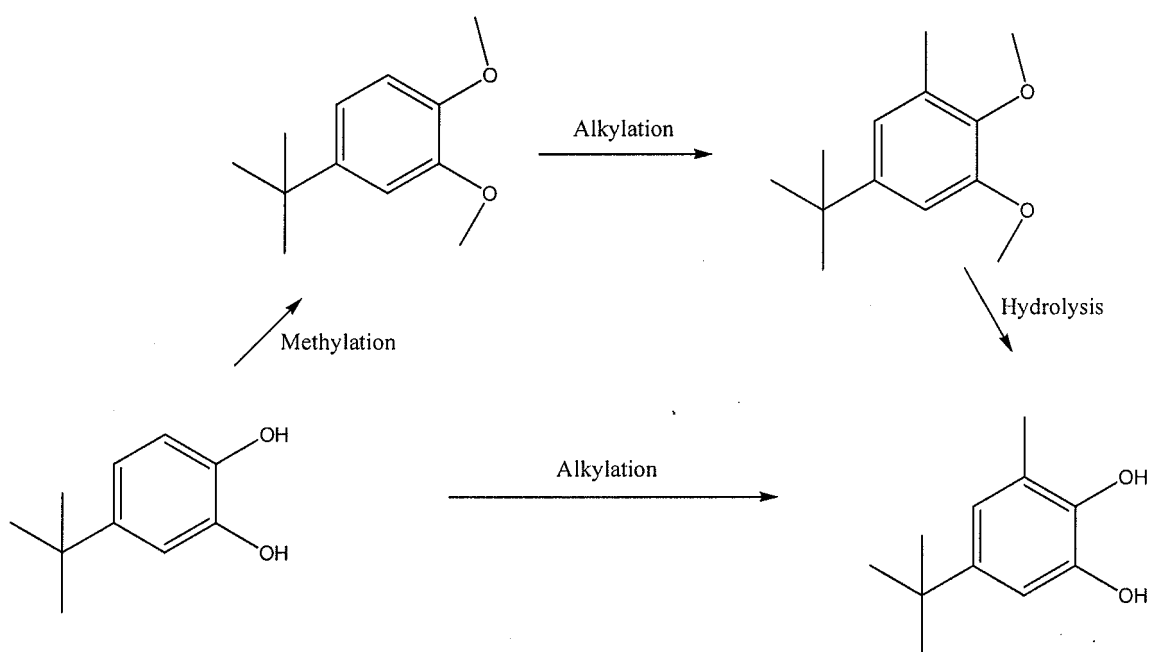
Reaction Pathways for synthesis of BMC/BMPD from (A) Catechol Formylation and (B) o-Vanillin as Starting Material



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FIG. 4

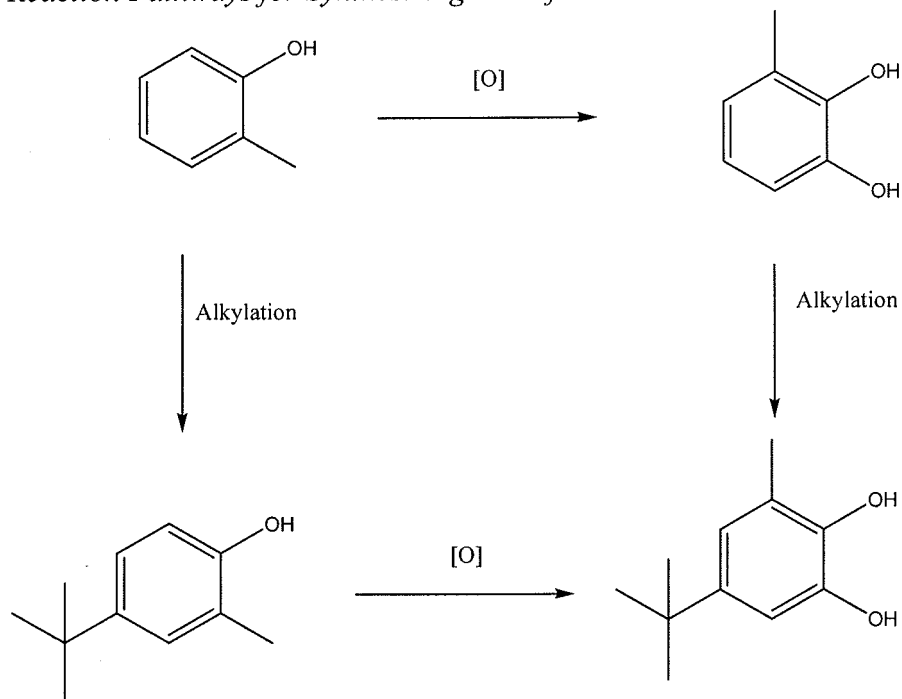
Reaction Scheme 4

Other Reaction Pathways for Synthesizing BMC

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FIG. 5

Reaction Scheme 5

Reaction Pathways for Synthesizing BMC from o-Cresol via Direct Oxidation Reactions

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FIG. 6

