

2. Study on synthesis of benzocaine in laboratory

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Abstract

Benzocaine is generally synthesized by oxidn., esterification and reducing reaction from p-nitrotoluene. In this paper, the synthesis of benzocaine from p-nitrotoluene using KMnO₄ as oxidant, SnCl₄ as catalyst and H₂ as reducer was investigated. The results show that the yield of benzocaine can get to 70.3% under the optimal condition.

Indexing

History, Education, and Documentation (Section 20-4)

Section cross-reference(s): 21

Supplementary Terms

chem; education; lab; synthesis; benzocaine; oxidn; esterification; redn;

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