



PTC Organics, Inc.

The Industrial Phase-Transfer Catalysis Experts

1134 South Black Horse Pike, Suite 310, Blackwood, New Jersey 08012 USA
E-Mail: marchalpern@phasetransfer.com

PTC Project Description Form

Do not disclose confidential information without a secrecy agreement!

Date: _____

Project Title: _____

Draw the specific reaction

Include the molecular structure drawings of the specific product, reactants and byproducts (if important); molar ratios, solvent, catalyst (if any), time, temperature, yield

Describe the performance targets

Such as yield, reaction time, solvent constraints, replace base, reduce excess, etc.

add additional pages if necessary

Project Leader Information

Name _____

Address _____

Phone _____ Fax _____

E-mail _____

E-mail the completed form to Marc Halpern at PTC Organics:

marchalpern@phasetransfer.com



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Hypothetical Example

PTC Project Description Form

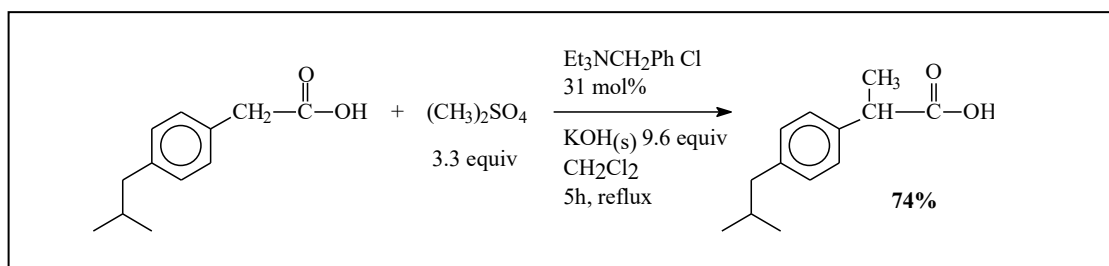
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Date: December 1, 2025

Project Title: C-Methylation of 4-sec-butyl phenyl acetic acid

Draw the specific reaction

Include the molecular structure drawings of the specific product, reactants and byproducts (if important); molar ratios, solvent, catalyst (if any), time, temperature, yield



Describe the performance targets

Such as yield, reaction time, solvent constraints, replace base, reduce excess, etc.

1. Improve yield to 92%, preferably 95%
2. Replace methylene chloride with commercial water-immiscible solvent (b.p. <110°C)
3. Replace dimethyl sulfate with less hazardous commercial methylating agent

add additional pages if necessary

Project Leader Information

Name Dr. Good Chemist

Address _____

E-mail good.chemist@abchemical.com

Send this form to Dr. Marc Halpern at PTC Organics: MarcHalpern@PhaseTransfer.com