



Rayat Shikshan Sanstha's

# DADA PATIL COLLEGE, KARJAT

Maharashtra, INDIA

**Two Day National Seminar on Application of Green Solvents & Green Catalyst for Sustainable Industrial Development**

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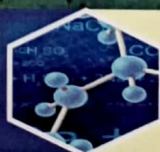
**Planning & Development, Savitribai Phule Pune University, Pune  
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**Department of Chemistry  
Dada Patil College, Karjat**



# Souvenir



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**ABSTRACT-7****Active Copper Catalysed Regioselective Epoxide Ring Opening to form 1-Phenoxy-3-(Piperazin-1-yl)-Propan-2-ol"**

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**ABSTRACT:**

2-(phenoxyethyl)-oxirane obtained from epoxidation of allylphenyl ether using m-CPBA in dichloromethane solvent, regioselectively opens up in presence of lithium naphthalenide and active copper reagent in THF solvent to give 1,2- difunctionalized amino alcohols.

**Experimental procedure:**

In a 100 ml three necked round bottom flask were added a mixture of 2-(phenoxyethyl)-oxirane (1mmol) and piperazine (1mmol) in 10 ml dry THF, To which added active copper reagent prepared in lithium naphthalenide solution, under stirring and at reflux temperature in presence of nitrogen atmosphere, reaction progress shown after 1hrs.

