

**BEHAVIOUR OF 4-(4-ACETYLAMINOPHENYL)-4-OXO-BUT-2-ENOIC ACID  
TOWARDS CARBA- AND AZA-NUCLEOPHILES AND SOME REACTION WITH  
THE PRODUCTS**

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**ABSTRACT**

The present work deals with the reaction of 4-(4-Acetylamino)phenyl-4-oxobut-2-enoic acid (**1**) with pyrazole derivatives, barbituric acid and quinazolinone derivatives in different medium, afford acid derivatives **2-7**. The latter compounds were treated with acetic anhydride, hydrazine hydrate derivatives and hydroxyl amine to yield some important heterocyclic derivatives.

**KEYWORDS:** (E)-4-Aryl-4-Oxo-2-Butenoic Acids, Pyrazole, Barbituric Acid, Quinazolinone, Pyrimidine, Pyridazine, Oxazine, Morphine, Piperidine