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## Synthesis and Crystal Structure Analysis of propyl 3-(4-acetoxyphenyl) Acrylate

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## **ABSTRACT**

The title compound propyl 3-(4-acetoxyphenyl) acrylate is synthesized and the structure was confirmed by X-ray diffraction. X-ray diffraction study reveals that the compound crystallizes in the triclinic crystal system in space group P-1 with cell parameters  $a=7.798~(10)~\text{Å},~b=8.800~(11)~\text{Å},~c=10.731~(13)~\text{Å},~\alpha=92.001~(19)^\circ,~\beta=91.45~(3)^\circ,~\gamma=107.52~(2)^\circ,~Z=2~and~V=701.3~(15)~\text{Å}^3.$  The molecule exhibits intramolecular hydrogen bonds of the type C–H...O which can account for the stability of the molecule.

## **Graphical Abstract**

**Keywords:** p-hydroxy cinnamic acid, Hirshfeld surface analysis, Fingerprint plot.