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>>Entry Name: 3-Oxo-4-(triphenylphosphoranylidene)butanoic acid, 9CI

$\text{Ph}_3\text{P}=\text{CHCOCH}_2\text{COOH}$

**Molecular Formula:**  $\text{C}_{22}\text{H}_{19}\text{O}_3\text{P}$

**Molecular Weight:** 362.364

**Accurate Mass:** 362.107182

**Percentage Composition:** C 72.92%; H 5.28%; O 13.25%; P 8.55%

>>Derivative: Et ester

**CAS Registry Number:** 13148-05-5

**Molecular Formula:**  $\text{C}_{24}\text{H}_{23}\text{O}_3\text{P}$

**Molecular Weight:** 390.418

**Accurate Mass:** 390.138482

**Percentage Composition:** C 73.83%; H 5.94%; O 12.29%; P 7.93%

**Physical Description:** Cryst. ( $\text{C}_6\text{H}_6$ )

**Melting Point:** Mp 102-103°

**Aldrich:** 42067-0

**References:**

Sun, K.M. *et al.*, *Carbohydr. Res.*, 1987, **171**, 35, (*Et ester, synth*)

Davis, M. *et al.*, *Aust. J. Chem.*, 1988, **41**, 1591, (*Et ester, synth, pmr*)