



>>Entry Name: **3-(4-Iodophenyl)propenoic acid**

Synonym(s): 3-*p*-Iodophenylacrylic acid. *p*-Iodocinnamic acid

CAS Registry Number: 34633-09-5

Molecular Formula: C₉H₇IO₂

Molecular Weight: 274.058

Accurate Mass: 273.949078

Percentage Composition: C 39.44%; H 2.57%; I 46.31%; O 11.68%

Physical Description: Cryst. (AcOH)

Melting Point: Mp 225°. Mp 270-271° (255°)

>>Derivative: Et ester

CAS Registry Number: 34633-08-4

Molecular Formula: C₁₁H₁₁IO₂

Molecular Weight: 302.111

Accurate Mass: 301.980378

Percentage Composition: C 43.73%; H 3.67%; I 42.01%; O 10.59%

Melting Point: Mp 37°

Boiling Point: Bp₂₀ 210°

References:

Gabriel, S., *Ber.*, 1883, **16**, 2036

Lock, G. *et al.*, *Ber.*, 1939, **72**, 1064, (*synth*)

Wheeler, H. *et al.*, *J.O.C.*, 1963, **28**, 2015, (*uv*)

Dombrovskii, V.A. *et al.*, *CA*, 1972, **76**, 3570, (*synth*)

Happer, D.A.R. *et al.*, *Aust. J. Chem.*, 1977, **30**, 1715, (*pmr*)

Goud, S. *et al.*, *Acta Cryst. C*, 1993, **49**, 1107, (*cryst struct*)