



>>Entry Name: 3-(4-Biphenyl)propenoic acid

Synonym(s): 3-(4-Biphenyl)acrylic acid, 8Cl. *p*-Phenylcinnamic acid

CAS Registry Number: 13026-23-8

Molecular Formula: C₁₅H₁₂O₂

Molecular Weight: 224.259

Accurate Mass: 224.08373

Percentage Composition: C 80.34%; H 5.39%; O 14.27%

Physical Description: Needles (EtOH, C₆H₆ or toluene)

Melting Point: Mp 184°. Mp 225°

>>Derivative: Et ester

CAS Registry Number: 40795-99-1

Molecular Formula: C₁₇H₁₆O₂

Molecular Weight: 252.312

Accurate Mass: 252.11503

Percentage Composition: C 80.93%; H 6.39%; O 12.68%

Physical Description: Pale-yellow prisms (petrol)

Melting Point: Mp 87°

References:

Knowles, C.L., *J.A.C.S.*, 1921, **43**, 896, (*synth*)

Hey, D.H., *J.C.S.*, 1931, 2476, (*synth*)

v. Braun, J. *et al.*, *Ber.*, 1933, **66**, 1464, (*synth*)

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

Cavallini, G. *et al.*, *J.A.C.S.*, 1957, **79**, 3514, (*synth*)

Doll, M.H. *et al.*, *J. Med. Chem.*, 1976, **19**, 1079, (*synth*)