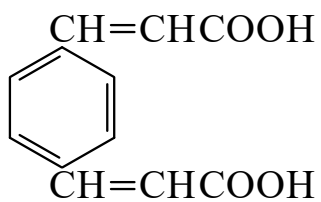




>>Entry Name: 3,3'-(1,4-Phenylene)bis-2-propenoic acid, 9CI

Synonym(s): 1,4-Phenylenediacrylic acid. 1,4-Benzenedipropenoic acid



CAS Registry Number: 16323-43-6

Molecular Formula: C₁₂H₁₀O₄

Molecular Weight: 218.209

Accurate Mass: 218.05791

Percentage Composition: C 66.05%; H 4.62%; O 29.33%

Melting Point: Mp 360 dec.°

Aldrich: P2390-3

>>Derivative: Di-Et ester

CAS Registry Number: 17088-28-7

Molecular Formula: C₁₆H₁₈O₄

Molecular Weight: 274.316

Accurate Mass: 274.12051

Percentage Composition: C 70.06%; H 6.61%; O 23.33%

Melting Point: Mp 73°

>>Derivative: Dichloride

Molecular Formula: C₁₂H₈Cl₂O₂

Molecular Weight: 255.099

Accurate Mass: 253.990134

Percentage Composition: C 56.50%; H 3.16%; Cl 27.80%; O 12.54%

Physical Description: Cryst. (CHCl₃/C₆H₆)

Melting Point: Mp 170-171°

References:

Ruggli, P. *et al.*, *Helv. Chim. Acta*, 1941, **24**, 899, (*Di-Et ester*)

Suzuki, F. *et al.*, *J. Polym. Sci., Part A-1*, 1969, **7**, 2319, (*synth, uv*)

Iwata, K. *et al.*, *J. Polym. Sci., Polym. Chem. Ed.*, 1985, **23**, 2361, (*synth, ir*)