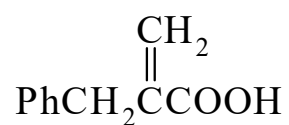




>>Entry Name: 2-Benzylpropenoic acid

Synonym(s): 2-Benzylacrylic acid. 2-Methylene-3-phenylpropionic acid. α -Methylenehydrocinnamic acid. α -Methylenebenzenepropanoic acid



CAS Registry Number: 5669-19-2

Molecular Formula: $\text{C}_{10}\text{H}_{10}\text{O}_2$

Molecular Weight: 162.188

Accurate Mass: 162.06808

Percentage Composition: C 74.06%; H 6.21%; O 19.73%

Physical Description: Needles (hexane)

Melting Point: Mp 68-70°

>>Derivative: Me ester

CAS Registry Number: 3070-71-1

Molecular Formula: $\text{C}_{11}\text{H}_{12}\text{O}_2$

Molecular Weight: 176.215

Accurate Mass: 176.08373

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Boiling Point: Bp_{0.6} 73°

Refractive Index: n_D^{28} 1.5063

>>Derivative: Nitrile

Synonym(s): 2-Cyano-3-phenylpropene. 2-Benzyl-2-propenenitrile

CAS Registry Number: 28769-48-4

Molecular Formula: $\text{C}_{10}\text{H}_9\text{N}$

Molecular Weight: 143.188

Accurate Mass: 143.073499

Percentage Composition: C 83.88%; H 6.34%; N 9.78%

Boiling Point: Bp_{1.5} 85-89°

Refractive Index: n_D^{26} 1.5210

References:

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Issa, J. *et al.*, *Synth. Commun.*, 1995, **25**, 1489, (*synth, pmr, cmr, ir*)