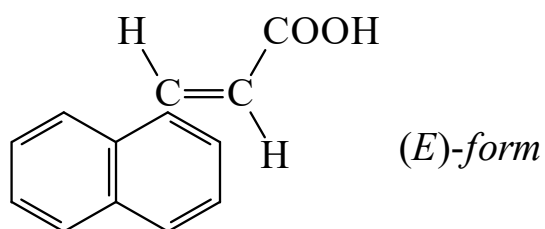




>>Entry Name: 3-(1-Naphthalenyl)-2-propenoic acid, 9CI

Synonym(s): 3- α -Naphthylacrylic acid



CAS Registry Number: 13026-12-5

Molecular Formula: C₁₃H₁₀O₂

Molecular Weight: 198.221

Accurate Mass: 198.06808

Percentage Composition: C 78.77%; H 5.08%; O 16.14%

Rare Chemicals Library: S60303-1

>>Variant: (E)-form

CAS Registry Number: 2006-14-6

Molecular Formula: C₁₃H₁₀O₂

Molecular Weight: 198.221

Accurate Mass: 198.06808

Percentage Composition: C 78.77%; H 5.08%; O 16.14%

Physical Description: Needles (EtOH)

Melting Point: Mp 211-212° (205°)

Solubility: V. spar. sol. hot H₂O

>>Derivative: Et ester

Molecular Formula: C₁₅H₁₄O₂

Molecular Weight: 226.274

Accurate Mass: 226.09938

Percentage Composition: C 79.62%; H 6.24%; O 14.14%

Melting Point: Mp 37-38.5°

Boiling Point: Bp_{11.5} 190-197° (lit. gives a pressure range)

>>Derivative: Amide

Molecular Formula: C₁₃H₁₁NO

Molecular Weight: 197.236

Accurate Mass: 197.084064

Percentage Composition: C 79.17%; H 5.62%; N 7.10%; O 8.11%

Melting Point: Mp 175°

>>Derivative: Anilide

Molecular Formula: C₁₉H₁₅NO

Molecular Weight: 273.334

Accurate Mass: 273.115364

Percentage Composition: C 83.49%; H 5.53%; N 5.12%; O 5.85%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 212°

>>Derivative: Nitrile

CAS Registry Number: 93863-65-1

Molecular Formula: C₁₃H₉N

Molecular Weight: 179.221

Accurate Mass: 179.073499

Percentage Composition: C 87.12%; H 5.06%; N 7.82%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 69-71°

>>Variant: (Z)-form