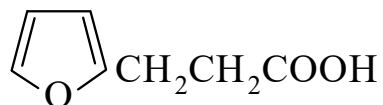




>>Entry Name: 2-Furanpropanoic acid, 9CI

ENTRY UNDER REVIEW

Synonym(s): Furfurylacetic acid. 3-(2-Furyl)propionic acid



CAS Registry Number: 935-13-7

Molecular Formula: C₇H₈O₃

Molecular Weight: 140.138

Accurate Mass: 140.047345

Percentage Composition: C 60.00%; H 5.75%; O 34.25%

Use/Importance: Root growth accelerator

Physical Description: Cryst. (CHCl₃/petrol)

Melting Point: Mp 58°

Boiling Point: Bp₁₆ 135°. Bp₁₀ 108-110°

>>Derivative: Me ester

CAS Registry Number: 37493-31-5

Molecular Formula: C₈H₁₀O₃

Molecular Weight: 154.165

Accurate Mass: 154.062995

Percentage Composition: C 62.33%; H 6.54%; O 31.13%

Boiling Point: Bp₁₅ 89°

>>Derivative: Et ester

Synonym(s): FEMA 2435

CAS Registry Number: 10031-90-0

Molecular Formula: C₉H₁₂O₃

Molecular Weight: 168.192

Accurate Mass: 168.078645

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Physical Description: Low-melting solid

Melting Point: Mp 24.5°

Boiling Point: Bp 212°. Bp₄ 94-98°

Aldrich: W24350-7

>>Derivative: Amide

Molecular Formula: C₇H₉NO₂

Molecular Weight: 139.154

Accurate Mass: 139.063329

Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%

Melting Point: Mp 107-108°

>>Derivative: 2-Methylpropyl ester

Synonym(s): Isobutyl 2-furanpropionate. FEMA 2198

CAS Registry Number: 105-01-1

Molecular Formula: C₁₁H₁₆O₃

Molecular Weight: 196.246

Accurate Mass: 196.109945

Percentage Composition: C 67.32%; H 8.22%; O 24.46%

Source/Synthesis: Flavouring ingredient with a sweet dry, brandy flavour at low levels

Physical Description: Colourless to pale staw-yellow liq.