



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

ENTRY UNDER REVIEW

Synonym(s): 2-Furanacrylic acid, 8CI. Furfurylideneacetic acid. α -Furylacrylic acid



CAS Registry Number: 539-47-9

Related CAS Registry Numbers(s): 623-16-5 623-18-7 623-20-1 7187-01-1 20689-54-7 79148-89-3

Molecular Formula: C₇H₆O₃

Molecular Weight: 138.123

Accurate Mass: 138.031695

Percentage Composition: C 60.87%; H 4.38%; O 34.75%

Aldrich: F2080-7

Fluka: 48180

Sigma: F3755

>>Variant: (*E*)-form

CAS Registry Number: 15690-24-1

Molecular Formula: C₇H₆O₃

Molecular Weight: 138.123

Accurate Mass: 138.031695

Percentage Composition: C 60.87%; H 4.38%; O 34.75%

Physical Description: Needles (H₂O); cryst. (petrol)

Melting Point: Mp 141°

Solubility: Mod. sol. hot H₂O

Other Data: Subl. in high vacuum at 112°. Steam-volatile

>>Derivative: Me ester

CAS Registry Number: 58293-85-9

Molecular Formula: C₈H₈O₃

Molecular Weight: 152.149

Accurate Mass: 152.047345

Percentage Composition: C 63.15%; H 5.30%; O 31.55%

Melting Point: Mp 27.5°

Boiling Point: Bp₁₅ 112°

>>Derivative: Et ester

CAS Registry Number: 53282-12-5

Molecular Formula: C₉H₁₀O₃

Molecular Weight: 166.176

Accurate Mass: 166.062995

Percentage Composition: C 65.05%; H 6.07%; O 28.88%

Melting Point: Mp 24.5°

Boiling Point: Bp 230-233°. Bp₁₇ 120-121°. Bp₅ 94-98°

>>Derivative: Chloride

CAS Registry Number: 63485-67-6

Molecular Formula: C₇H₅ClO₂

Molecular Weight: 156.568

Accurate Mass: 155.997807

Percentage Composition: C 53.70%; H 3.22%; Cl 22.64%; O 20.44%

Boiling Point: Bp₃₀ 126°