



>>Entry Name: **3-(4-Nitrophenyl)-2-propenoic acid**, 9CI
Synonym(s): *p*-Nitrocinnamic acid, 8CI. 3-*p*-Nitrophenylacrylic acid

CAS Registry Number: 619-89-6
Related CAS Registry Numbers(s): 18166-67-1 19310-31-7 22440-58-0

Molecular Formula: $C_9H_7NO_4$
Molecular Weight: 193.159
Accurate Mass: 193.037509
Percentage Composition: C 55.96%; H 3.65%; N 7.25%; O 33.13%

Aldrich: N1642-8
Sigma: N1756

>>Variant: (*E*)-form

CAS Registry Number: 882-06-4
Molecular Formula: $C_9H_7NO_4$
Molecular Weight: 193.159
Accurate Mass: 193.037509
Percentage Composition: C 55.96%; H 3.65%; N 7.25%; O 33.13%
Physical Description: Prisms (EtOH)
Melting Point: Mp 286°
pKa Value: pK_a 4.05 (25°)
Fluka: 74140

>>Derivative: Me ester

CAS Registry Number: 637-57-0
Molecular Formula: $C_{10}H_9NO_4$
Molecular Weight: 207.185
Accurate Mass: 207.053159
Percentage Composition: C 57.97%; H 4.38%; N 6.76%; O 30.89%
Physical Description: Needles (EtOH)
Melting Point: Mp 161°
Boiling Point: Bp 281-286°

>>Derivative: Et ester

CAS Registry Number: 24393-61-1
Extra CAS Registry Numbers(s): 953-26-4
Molecular Formula: $C_{11}H_{11}NO_4$
Molecular Weight: 221.212
Accurate Mass: 221.068809
Percentage Composition: C 59.73%; H 5.01%; N 6.33%; O 28.93%
Physical Description: Plates (AcOH)
Melting Point: Mp 141-142°

>>Derivative: Chloride

CAS Registry Number: 61921-33-3
Molecular Formula: $C_9H_6ClNO_3$
Molecular Weight: 211.604
Accurate Mass: 211.003621
Percentage Composition: C 51.09%; H 2.86%; Cl 16.75%; N 6.62%; O 22.68%
Melting Point: Mp 124-125°
Boiling Point: Bp 205-210°
Aldrich: 36475-4

>>Derivative: Amide