



>>Entry Name: 3-(4-Pyridinyl)-2-propenoic acid, 9CI

Synonym(s): 3-(γ -Pyridyl)acrylic acid

CAS Registry Number: 5337-79-1

Related CAS Registry Numbers(s): 24490-79-7 84228-93-3

Molecular Formula: C₈H₇NO₂

Molecular Weight: 149.149

Accurate Mass: 149.047679

Percentage Composition: C 64.42%; H 4.73%; N 9.39%; O 21.45%

Physical Description: Reddish-brown cryst. (EtOAc)

Melting Point: Mp 296 dec.°

>>Derivative: Hydrochloride

Melting Point: Mp 244°

>>Derivative: Me ester

CAS Registry Number: 7340-34-3

Molecular Formula: C₉H₉NO₂

Molecular Weight: 163.176

Accurate Mass: 163.063329

Percentage Composition: C 66.25%; H 5.56%; N 8.58%; O 19.61%

Melting Point: Mp 77-78°

Rare Chemicals Library: S40941-3

>>Derivative: Et ester

CAS Registry Number: 24489-96-1

Molecular Formula: C₁₀H₁₁NO₂

Molecular Weight: 177.202

Accurate Mass: 177.078979

Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%

Melting Point: Mp 77-78°

>>Derivative: Nitrile

Molecular Formula: C₈H₆N₂

Molecular Weight: 130.149

Accurate Mass: 130.053098

Percentage Composition: C 73.83%; H 4.65%; N 21.52%

Melting Point: Mp 23°. Mp 71°

Other Data: Mp's refer to two isomers, presumably (*E*)- and (*Z*)-, of undetd. config.

References:

Rabe, P. *et al.*, *Ber.*, 1919, **52**, 1842, (*synth*)

Alberts, A.A. *et al.*, *J.A.C.S.*, 1935, **57**, 1284, (*synth*)

Koelsch, C.F., *J.A.C.S.*, 1943, **65**, 2460, (*synth*)

Kleiman, M. *et al.*, *J.O.C.*, 1945, **10**, 562, (*synth*)

Marvel, C.S. *et al.*, *J.O.C.*, 1955, **20**, 1785, (*ir, uv*)