



>>Entry Name: 5-Nitro-2-thiophenecarboxylic acid

CAS Registry Number: 6317-37-9

Molecular Formula: $C_5H_3NO_4S$

Molecular Weight: 173.149

Accurate Mass: 172.978279

Percentage Composition: C 34.68%; H 1.75%; N 8.09%; O 36.96%; S 18.52%

Physical Description: Needles (H_2O)

Melting Point: Mp 158°

Aldrich: 42521-4

Sigma: N6898

>>Derivative: Me ester

CAS Registry Number: 5832-01-9

Molecular Formula: $C_6H_5NO_4S$

Molecular Weight: 187.176

Accurate Mass: 186.993929

Percentage Composition: C 38.50%; H 2.69%; N 7.48%; O 34.19%; S 17.13%

Physical Description: Needles (petrol)

Melting Point: Mp 76°

References:

Rinkes, I.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1932, **51**, 1134; 1933, **52**, 538, (*synth*)

Noto, R. *et al.*, *J.C.S. Perkin 2*, 1987, 689, (*cmr*)