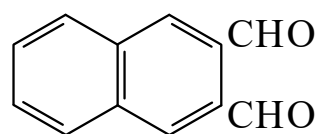




>>Entry Name: 2,3-Naphthalenedicarboxaldehyde, 9CI

Synonym(s): 2,3-Diformylnaphthalene



CAS Registry Number: 7149-49-7

Molecular Formula: C₁₂H₈O₂

Molecular Weight: 184.194

Accurate Mass: 184.05243

Percentage Composition: C 78.25%; H 4.38%; O 17.37%

Use/Importance: Used for fluorimetric detn. of CN⁽⁻⁾

Physical Description: Needles (H₂O, petrol or by subl.)

Melting Point: Mp 131-132°

Aldrich: 38201-9

Fluka: 70215

>>Derivative: Bis(2,4-dinitrophenylhydrazone)

Physical Description: Orange microcryst. powder

Melting Point: Mp 300 dec.°

References:

Carlson, R.G. *et al.*, *J.O.C.*, 1886, **51**, 3978, (*synth*)

Cook, J.W. *et al.*, *J.C.S.*, 1949, 5228, (*synth*)

Weygand, F. *et al.*, *Chem. Ber.*, 1950, **83**, 394, (*synth*)

Ried, W. *et al.*, *Chem. Ber.*, 1956, **89**, 708, (*synth*)

Wilcox, C.F. *et al.*, *J.O.C.*, 1986, **51**, 1088, (*synth, pmr, ms*)

Carlson, R.G. *et al.*, *J.O.C.*, 1986, **51**, 3978, (*synth*)

Sano, A. *et al.*, *Talanta*, 1987, **34**, 743, (*detn, CN⁽⁻⁾*)

Man, Y.-M. *et al.*, *J.O.C.*, 1990, **55**, 3214, (*synth*)

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