



>>Entry Name: 6-Hydroxy-2-naphthalenecarboxaldehyde, 9CI

Synonym(s): 6-Hydroxy-2-naphthaldehyde

CAS Registry Number: 78119-82-1

Related CAS Registry Numbers(s): 3453-33-6

Molecular Formula: $C_{11}H_8O_2$

Molecular Weight: 172.183

Accurate Mass: 172.05243

Percentage Composition: C 76.73%; H 4.68%; O 18.58%

>>Derivative: 2,4-Dinitrophenylhydrazone

Melting Point: Mp 270-271°

>>Derivative: Me ether

Synonym(s): 6-Methoxy-2-naphthalenecarboxaldehyde

CAS Registry Number: 3453-33-6

Molecular Formula: $C_{12}H_{10}O_2$

Molecular Weight: 186.21

Accurate Mass: 186.06808

Percentage Composition: C 77.40%; H 5.41%; O 17.18%

Physical Description: Cryst. (petrol)

Melting Point: Mp 82-83°. Mp 65-66°

>>Derivative: Me ether, oxime

Molecular Formula: $C_{12}H_{11}NO_2$

Molecular Weight: 201.224

Accurate Mass: 201.078979

Percentage Composition: C 71.63%; H 5.51%; N 6.96%; O 15.90%

Melting Point: Mp 154-155°

References:

- Horeau, A., *C. R. Hebd. Seances Acad. Sci.*, 1953, **236**, 826, (*Me ether, synth*)
Gandhi, R., *J.C.S.*, 1955, 2530, (*Me ether, synth*)
Harvey, R.G. *et al.*, *J. Med. Chem.*, 1988, **31**, 1308-1312, (*Me ether, synth, pmr*)
Lee, H. *et al.*, *J.O.C.*, 1988, **53**, 4587-4589, (*Me ether, synth, pmr*)
Harvey, R.G. *et al.*, *Tetrahedron*, 1997, **53**, 7101-7118, (*Me ether, synth*)