



>>Entry Name: 7-Hydroxyphthalide, 8Cl

Synonym(s): 7-Hydroxy-1(3H)-isobenzofuranone, 9Cl

CAS Registry Number: 3956-91-0

Molecular Formula: C₈H₆O₃

Molecular Weight: 150.134

Accurate Mass: 150.031695

Percentage Composition: C 64.00%; H 4.03%; O 31.97%

Biological Source: Prod. by an unidentified *Oulenzia* sp.

Physical Description: Cryst. (C₆H₆/petrol)

Melting Point: Mp 135-136.5°

>>Derivative: Ac

Molecular Formula: C₁₀H₈O₄

Molecular Weight: 192.171

Accurate Mass: 192.04226

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Melting Point: Mp 108-109°

>>Derivative: Me ether

Synonym(s): 7-Methoxy-1(3H)-isobenzofuranone. 7-Methoxyphthalide

CAS Registry Number: 28281-58-5

Molecular Formula: C₉H₈O₃

Molecular Weight: 164.16

Accurate Mass: 164.047345

Percentage Composition: C 65.85%; H 4.91%; O 29.24%

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 106° (96°)

References:

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Eliel, E.L. *et al.*, *J.O.C.*, 1953, **18**, 1679-1688, (*synth*)

Blair, J. *et al.*, *J.C.S.*, 1955, 708-712, (*synth, Me ether*)

Oseledchik, V.S. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1973, 1315-1321; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1973, 1271-1275, (*synth*)

Narasimhan, N.S. *et al.*, *Indian J. Chem., Sect. B*, 1983, **22**, 1257-1258, (*Me ether, synth, ir, uv, pmr*)

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