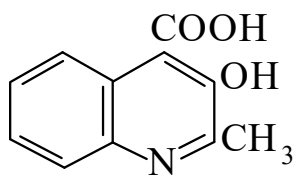




>>Entry Name: 3-Hydroxy-2-methyl-4-quinolinecarboxylic acid, 9Cl

Synonym(s): 3-Hydroxy-2-methylcinchoninic acid, 8Cl



CAS Registry Number: 117-57-7

Molecular Formula: C₁₁H₉NO₃

Molecular Weight: 203.197

Accurate Mass: 203.058244

Percentage Composition: C 65.02%; H 4.46%; N 6.89%; O 23.62%

Melting Point: Mp 242-244 dec.°

Other Data: Decarboxylates on heating in conc. HCl

Aldrich: 18324-5

>>Derivative: Me ester, Me ether

Molecular Formula: C₁₃H₁₃NO₃

Molecular Weight: 231.251

Accurate Mass: 231.089544

Percentage Composition: C 67.52%; H 5.67%; N 6.06%; O 20.76%

Melting Point: Mp 164-166°

>>Derivative: Et ether

Synonym(s): 3-Ethoxy-2-methyl-4-quinolinecarboxylic acid

Molecular Formula: C₁₃H₁₃NO₃

Molecular Weight: 231.251

Accurate Mass: 231.089544

Percentage Composition: C 67.52%; H 5.67%; N 6.06%; O 20.76%

Melting Point: Mp 243 dec.°

References:

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 746B, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 870B, (*ir*)

Cross, C.B. *et al.*, *J.A.C.S.*, 1939, **61**, 2730-2733, (*synth, Et ether*)

Yurovskaya, M.A. *et al.*, *Khim. Geterotsikl. Soedin.*, 1982, 1130; *Chem. Heterocycl. Compd. (Engl. Transl.)*, 1982, 871, (*synth*)