



>>Entry Name: 2-Methyl-4-quinolinecarboxylic acid, 9Cl

Synonym(s): 2-Methylcinchoninic acid, 8Cl. Quinaldine-4-carboxylic acid

CAS Registry Number: 634-38-8

Molecular Formula: $C_{11}H_9NO_2$

Molecular Weight: 187.198

Accurate Mass: 187.063329

Percentage Composition: C 70.58%; H 4.85%; N 7.48%; O 17.09%

Physical Description: Needles or platelets (EtOH or H₂O or by subl.)

Melting Point: Mp 241°

Solubility: Sol. hot EtOH, hot H₂O, spar. sol. Et₂O, C₆H₆, insol. CHCl₃

Other Data: Sublimes. Forms salts with acids and bases.

Rare Chemicals Library: S83464-5

>>Derivative: Me ester

CAS Registry Number: 55625-40-6

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 61-62°

Other Data: Part. dec. on dist.

>>Derivative: Et ester

CAS Registry Number: 7120-26-5

Molecular Formula: $C_{13}H_{13}NO_2$

Molecular Weight: 215.251

Accurate Mass: 215.094629

Percentage Composition: C 72.54%; H 6.09%; N 6.51%; O 14.87%

Physical Description: Prisms (petrol)

Melting Point: Mp 77°

>>Derivative: Amide

Molecular Formula: $C_{11}H_{10}N_2O$

Molecular Weight: 186.213

Accurate Mass: 186.079313

Percentage Composition: C 70.95%; H 5.41%; N 15.04%; O 8.59%

Physical Description: Needles (H₂O)

Melting Point: Mp 239°

References:

Pfiztinger, W., *J. Prakt. Chem.*, 1897, **56**, 283, (*synth*)

Stefanovic, G. *et al.*, *Tetrahedron*, 1959, **6**, 97, (*synth*)