



>>Entry Name: 2,4-Quinolinedicarboxylic acid, 9Cl, 8Cl

CAS Registry Number: 5323-57-9

Molecular Formula: C₁₁H₇NO₄

Molecular Weight: 217.181

Accurate Mass: 217.037509

Percentage Composition: C 60.83%; H 3.25%; N 6.45%; O 29.47%

Physical Description: Needles (H₂O)

Melting Point: Mp 246 dec.°

Solubility: Insol. CHCl₃; spar. sol. cold H₂O

Other Data: Loses CO₂ at 240° to give 4-quinolinecarboxylic acid

>>Derivative: Di-Me ester

CAS Registry Number: 7170-24-3

Molecular Formula: C₁₃H₁₁NO₄

Molecular Weight: 245.234

Accurate Mass: 245.068809

Percentage Composition: C 63.67%; H 4.52%; N 5.71%; O 26.10%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 130-131°

Rare Chemicals Library: S83471-8

>>Derivative: Di-Et ester

CAS Registry Number: 25635-39-6

Molecular Formula: C₁₅H₁₅NO₄

Molecular Weight: 273.288

Accurate Mass: 273.100109

Percentage Composition: C 65.93%; H 5.53%; N 5.13%; O 23.42%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 74-75.5°

>>Derivative: Diamide

CAS Registry Number: 32743-31-0

Molecular Formula: C₁₁H₉N₃O₂

Molecular Weight: 215.211

Accurate Mass: 215.069477

Percentage Composition: C 61.39%; H 4.21%; N 19.53%; O 14.87%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 277.5-279.5°

>>Derivative: 2-Nitrile

Synonym(s): 2-Cyano-4-quinolinecarboxylic acid

Molecular Formula: C₁₁H₆N₂O₂

Molecular Weight: 198.181

Accurate Mass: 198.042928

Percentage Composition: C 66.67%; H 3.05%; N 14.14%; O 16.15%

Melting Point: Mp 226°

>>Derivative: Dinitrile

Synonym(s): 2,4-Dicyanoquinoline

CAS Registry Number: 7170-22-1

Molecular Formula: C₁₁H₅N₃

Molecular Weight: 179.181

Accurate Mass: 179.048347

Percentage Composition: C 73.74%; H 2.81%; N 23.45%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 290°

References:

Doebner, O. *et al.*, *Ber.*, 1889, **22**, 3006, (*synth*)