



>>Entry Name: 4-Amino-2-quinolinecarboxylic acid, 9CI

Synonym(s): 4-Aminoquinaldinic acid

CAS Registry Number: 157915-66-7

Extra CAS Registry Numbers(s): 189885-75-4

Molecular Formula: $C_{10}H_8N_2O_2$

Molecular Weight: 188.185

Accurate Mass: 188.058578

Percentage Composition: C 63.83%; H 4.28%; N 14.89%; O 17.00%

Physical Description: Cream needles +0.5H₂O (H₂O)

Melting Point: Mp 281-282° (dec.)

>>Derivative: 4-N-Ac

Molecular Formula: $C_{12}H_{10}N_2O_3$

Molecular Weight: 230.223

Accurate Mass: 230.069143

Percentage Composition: C 62.61%; H 4.38%; N 12.17%; O 20.85%

Physical Description: Cream cryst. + 0.5H₂O (H₂O)

Melting Point: Mp 238° (dec.)

References:

Bergstrom, F.W., *J.O.C.*, 1938, **3**, 233-241, (*synth*)

Royer, R., *J.C.S.*, 1949, 1803-1806, (*synth, Ac*)

Burd, C.J. *et al.*, *Acta Cryst. C*, 1997, **53**, 602-605, (*cryst struct*)