



>>Entry Name: 5-Chloro-1*H*-indole-3-carboxylic acid, 9Cl

CAS Registry Number: 10406-05-0

Structure by analogy with 2-Chloro-1*H*-indole-3-carboxylic acid, [NTH26-I](#)

Molecular Formula: C₉H₆ClNO₂

Molecular Weight: 195.605

Accurate Mass: 195.008706

Percentage Composition: C 55.26%; H 3.09%; Cl 18.12%; N 7.16%; O 16.36%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 234-235°

>>Derivative: Et ester

Molecular Formula: C₁₁H₁₀ClNO₂

Molecular Weight: 223.658

Accurate Mass: 223.040006

Percentage Composition: C 59.07%; H 4.51%; Cl 15.85%; N 6.26%; O 14.31%

Physical Description: Solid

Melting Point: Mp 182-183°

>>Derivative: Hydrazide

Molecular Formula: C₉H₈ClN₃O

Molecular Weight: 209.634

Accurate Mass: 209.035589

Percentage Composition: C 51.57%; H 3.85%; Cl 16.91%; N 20.04%; O 7.63%

Physical Description: Solid

Melting Point: Mp 278-280°

References:

Sus, O. *et al.*, *Annalen*, 1953, **583**, 150, (*synth*)

Fr. Pat., 1964, 1 363 855; *CA*, **61**, 14641g, (*hydrazide, Et ester*)