



>>Entry Name: 5-Isoquinolinecarboxylic acid

Molecular Formula: C₁₀H₇NO₂

Molecular Weight: 173.171

Accurate Mass: 173.047679

Percentage Composition: C 69.36%; H 4.07%; N 8.09%; O 18.48%

Melting Point: Mp 280-282°

>>Derivative: Hydrochloride

CAS Registry Number: 19653-24-8

Melting Point: Mp 300°

>>Derivative: Me ester

CAS Registry Number: 16675-59-5

Molecular Formula: C₁₁H₉NO₂

Molecular Weight: 187.198

Accurate Mass: 187.063329

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

Melting Point: Mp 66-67°

>>Derivative: Nitrile

Synonym(s): 5-Cyanoisoquinoline

CAS Registry Number: 27655-41-0

Molecular Formula: C₁₀H₆N₂

Molecular Weight: 154.171

Accurate Mass: 154.053098

Percentage Composition: C 77.91%; H 3.92%; N 18.17%

Physical Description: Cryst. (toluene)

Melting Point: Mp 139°

References:

Tyson, F. *et al.*, *J.A.C.S.*, 1939, **61**, 183, (*synth*)

Mathison, I.W., *J. Med. Chem.*, 1968, **11**, 181, (*synth*)

Cohylakis, D. *et al.*, *J.C.S. Perkin 1*, 1974, 1518, (*nitrile*)

Frostell, E. *et al.*, *Acta Chem. Scand., Ser. B*, 1981, **35**, 671, (*ester*)