



>>Entry Name: 4-Isoquinolinecarboxylic acid

CAS Registry Number: 7159-36-6

Related CAS Registry Numbers(s): 50741-47-4

Molecular Formula: $C_{10}H_7NO_2$

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 264-266°

Rare Chemicals Library: S84100-5

>>Derivative: Me ester

CAS Registry Number: 20317-40-2

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%

Melting Point: Mp 82°

>>Derivative: Amide

CAS Registry Number: 7114-81-0

Molecular Formula: $C_{10}H_8N_2O$

Molecular Weight: 172.186

Accurate Mass: 172.063663

Percentage Composition: C 69.76%; H 4.68%; N 16.27%; O 9.29%

Melting Point: Mp 170-171°

>>Derivative: Nitrile

Synonym(s): 4-Cyanoisoquinoline

CAS Registry Number: 34846-65-6

Molecular Formula: $C_{10}H_6N_2$

Molecular Weight: 154.171

Accurate Mass: 154.053098

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

Melting Point: Mp 104°

References:

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

Gilman, H. *et al.*, *J.O.C.*, 1957, **22**, 565, (*synth*)

Thuillier, G. *et al.*, *Bull. Soc. Chim. Fr.*, 1966, 1763, (*synth*)

Wenkert, E. *et al.*, *J.A.C.S.*, 1968, **90**, 5251, (*ester*)

Bunting, J.W. *et al.*, *Can. J. Chem.*, 1981, **59**, 3195, (*derivs*)