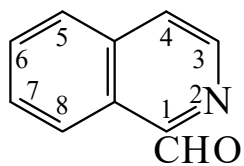




>>Entry Name: 1-Isoquinolinecarboxaldehyde, 9CI

Synonym(s): 1-Formylisoquinoline. Isoquinaldehyde. 1-Aldehydoisoquinoline



CAS Registry Number: 4494-18-2

Molecular Formula: $C_{10}H_7NO$

Molecular Weight: 157.171

Accurate Mass: 157.052764

Percentage Composition: C 76.42%; H 4.49%; N 8.91%; O 10.18%

Melting Point: Mp 55-57°

>>Derivative: Oxime

CAS Registry Number: 39977-76-9

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 171-172°

>>Derivative: Phenylhydrazone

Physical Description: Yellow cryst.

Melting Point: Mp 174-175°

>>Derivative: Semicarbazone

Melting Point: Mp 195-197°

References:

Matskevich, R.M. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1941, **11**, 1023

Glyde, F. *et al.*, *J.C.S. Perkin I*, 1975, 1783, (*synth*)