



>>Entry Name: **3-Amino-2-naphthalenecarboxylic acid**, 9CI

Synonym(s): 3-Amino-2-naphthoic acid, 8CI

CAS Registry Number: 5959-52-4

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%

Use/Importance: Azo dyestuff intermediate, used in detection of Cu, Ni, Co

Physical Description: Yellow leaflets (EtOH aq.)

Melting Point: Mp 219-220° (214°)

Solubility: Spar. sol. hot H₂O

Other Data: Fluor. in soln.

Hazard & Toxicity: LD₅₀ (mus, orl) 1600 mg/kg

Aldrich: A6680-4

Fluka: 8660

>>Derivative: Me ester

CAS Registry Number: 21597-54-6

Molecular Formula: C₁₂H₁₁NO₂

Molecular Weight: 201.224

Accurate Mass: 201.078979

Percentage Composition: C 71.63%; H 5.51%; N 6.96%; O 15.90%

Melting Point: Mp 104-105°

>>Derivative: Et ester

Molecular Formula: C₁₃H₁₃NO₂

Molecular Weight: 215.251

Accurate Mass: 215.094629

Percentage Composition: C 72.54%; H 6.09%; N 6.51%; O 14.87%

Physical Description: Yellow needles (EtOH)

Melting Point: Mp 117-118°