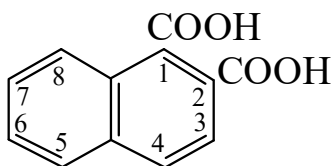




>>>Entry Name: 1,2-Naphthalenedicarboxylic acid

Synonym(s): 1,2-Naphthalic acid



CAS Registry Number: 2088-87-1

Molecular Formula: $C_{12}H_8O_4$

Molecular Weight: 216.193

Accurate Mass: 216.04226

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

Physical Description: Cryst. (H_2O)

Melting Point: Mp 175°

Solubility: Sol. EtOH, Et₂O, AcOH

Other Data: Forms anhydride at Mp

>>>Derivative: Di-Me ester

CAS Registry Number: 10060-32-9

Molecular Formula: $C_{14}H_{12}O_4$

Molecular Weight: 244.246

Accurate Mass: 244.07356

Percentage Composition: C 68.85%; H 4.95%; O 26.20%

Physical Description: Prisms (MeOH)

Melting Point: Mp 85°

>>>Derivative: Di-Et ester

CAS Registry Number: 19182-17-3

Molecular Formula: $C_{16}H_{16}O_4$

Molecular Weight: 272.3

Accurate Mass: 272.10486

Percentage Composition: C 70.58%; H 5.92%; O 23.50%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 88.5-89.5°

>>>Derivative: Diamide

Synonym(s): 1,2-Naphthalenedicarboxamide

Molecular Formula: $C_{12}H_{10}N_2O_2$

Molecular Weight: 214.223

Accurate Mass: 214.074228

Percentage Composition: C 67.28%; H 4.70%; N 13.08%; O 14.94%

Physical Description: Plates

Melting Point: Mp 265°

Other Data: Forms imide at Mp

>>>Derivative: 1-Nitrile

Synonym(s): 1-Cyano-2-naphthalenecarboxylic acid

CAS Registry Number: 126536-22-9

Molecular Formula: $C_{12}H_7NO_2$

Molecular Weight: 197.193

Accurate Mass: 197.047679

Percentage Composition: C 73.09%; H 3.58%; N 7.10%; O 16.23%

Physical Description: Solid

Melting Point: Mp 198-200 dec.°

Boiling Point: Subl._{0.2} 130°

>>>Derivative: Dinitrile

Synonym(s): 1,2-Dicyanonaphthalene