



Physical Description: Yellowish cryst. (MeOH/C₆H₆)

Melting Point: Mp 185-186°

pKa Value: p*K*_{a1} 3.36 (25°)

>>**Derivative:** 2-Amide

Molecular Formula: C₉H₇NO₅

Molecular Weight: 209.158

Accurate Mass: 209.032424

Percentage Composition: C 51.68%; H 3.37%; N 6.70%; O 38.25%

Physical Description: Cryst. (MeOH/C₆H₆)

Melting Point: Mp 199-200°

pKa Value: p*K*_{a1} 3.12 (25°)

>>**Derivative:** 4-Amide

Molecular Formula: C₉H₇NO₅

Molecular Weight: 209.158

Accurate Mass: 209.032424

Percentage Composition: C 51.68%; H 3.37%; N 6.70%; O 38.25%

Physical Description: Cryst. (Et₂O/C₆H₆)

Melting Point: Mp 166°

>>**Derivative:** 2-Nitrile

Synonym(s): 2-Cyano-1,4-benzenedicarboxylic acid

Molecular Formula: C₉H₅NO₄

Molecular Weight: 191.143

Accurate Mass: 191.021859

Percentage Composition: C 56.55%; H 2.64%; N 7.33%; O 33.48%

Physical Description: Yellow amorph. mass

>>**Derivative:** Trinitrile

Synonym(s): 1,2,4-Tricyanobenzene

CAS Registry Number: 10347-14-5

Molecular Formula: C₉H₃N₃

Molecular Weight: 153.143

Accurate Mass: 153.032697

Percentage Composition: C 70.59%; H 1.97%; N 27.44%

Melting Point: Mp 125°

>>**Derivative:** 1,2-Anhydride

Synonym(s): 1,3-Dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid, 9CI. Anhydrotrimellitic acid

CAS Registry Number: 552-30-7

Molecular Formula: C₉H₄O₅

Molecular Weight: 192.128

Accurate Mass: 192.005875

Percentage Composition: C 56.26%; H 2.10%; O 41.64%

Use/Importance: Component of many polymers

Physical Description: Needles

Melting Point: Mp 162.5-163.5° (157°)

Boiling Point: Bp 390°. Bp₁₄ 240-245°

Hazard & Toxicity: Skin, eye and respiratory tract irritant. Exposure also causes immunologic respiratory disease with a range of symptoms from rhinitis, asthma to pulmonary infiltrates and restrictive lung disease

Aldrich: B460-0

Fluka: 92120