



>>Entry Name: 4-Amino-1,2-benzenedicarboxylic acid, 9CI

Synonym(s): 4-Aminophthalic acid, 8CI

CAS Registry Number: 5434-21-9

Molecular Formula: C₈H₇NO₄

Molecular Weight: 181.148

Accurate Mass: 181.037509

Percentage Composition: C 53.04%; H 3.89%; N 7.73%; O 35.33%

Physical Description: Cryst. (AcOH aq.)

>>Derivative: 1-Me ester

Molecular Formula: C₉H₉NO₄

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

Physical Description: Yellow cryst.

Melting Point: Mp 179-180°

>>Derivative: Di-Me ester

CAS Registry Number: 51832-31-6

Molecular Formula: C₁₀H₁₁NO₄

Molecular Weight: 209.201

Accurate Mass: 209.068809

Percentage Composition: C 57.41%; H 5.30%; N 6.70%; O 30.59%

Physical Description: Plates (EtOH or C₆H₆)

Melting Point: Mp 84°

Rare Chemicals Library: S74486-7

>>Derivative: Dinitrile

CAS Registry Number: 56765-79-8

Molecular Formula: C₈H₅N₃

Molecular Weight: 143.148

Accurate Mass: 143.048347

Percentage Composition: C 67.13%; H 3.52%; N 29.35%

Physical Description: Cryst.

Melting Point: Mp 179-180°

Other Data: Dec. on standing

>>Derivative: Imide

Synonym(s): 4-Aminophthalimide

CAS Registry Number: 3676-85-5

Molecular Formula: C₈H₆N₂O₂

Molecular Weight: 162.148

Accurate Mass: 162.042928

Percentage Composition: C 59.26%; H 3.73%; N 17.28%; O 19.73%

Physical Description: Yellow needles (H₂O)

Melting Point: Mp 294 subl.°

Rare Chemicals Library: S13980-7

>>Derivative: Methylimide

Synonym(s): 5-Amino-2-methyl-1*H*-isoindole-1,3(2*H*)-dione, 9CI

CAS Registry Number: 2307-00-8

Molecular Formula: C₉H₈N₂O₂

Molecular Weight: 176.174

Accurate Mass: 176.058578

Percentage Composition: C 61.36%; H 4.58%; N 15.90%; O 18.16%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 242°