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

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

CAS Registry Number: 5434-21-9

**Molecular Formula:**  $C_8H_7NO_4$

**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:**  $C_9H_9NO_4$

**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:**  $C_{10}H_{11}NO_4$

**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  $C_6H_6$ )

**Melting Point:** Mp 84°

**Rare Chemicals Library:** S74486-7

>>Derivative: Dinitrile

**CAS Registry Number:** 56765-79-8

**Molecular Formula:**  $C_8H_5N_3$

**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