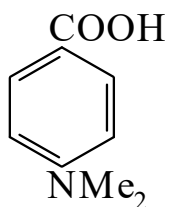




>>Entry Name: 4-(Dimethylamino)benzoic acid, 9CI



**CAS Registry Number:** 619-84-1

**Molecular Formula:** C<sub>9</sub>H<sub>11</sub>NO<sub>2</sub>

**Molecular Weight:** 165.191

**Accurate Mass:** 165.078979

**Percentage Composition:** C 65.44%; H 6.71%; N 8.48%; O 19.37%

**Physical Description:** Cryst. (EtOH aq.)

**Melting Point:** Mp 242.5-243.5°

**pKa Value:** pK<sub>a1</sub> 2.51; pK<sub>a2</sub> 5.03 (25°)

**Aldrich:** D13945-9

**Fluka:** 39110

>>Derivative: Me ester

**CAS Registry Number:** 1202-25-1

**Molecular Formula:** C<sub>10</sub>H<sub>13</sub>NO<sub>2</sub>

**Molecular Weight:** 179.218

**Accurate Mass:** 179.094629

**Percentage Composition:** C 67.02%; H 7.31%; N 7.82%; O 17.85%

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 102°

**Boiling Point:** Bp 304-305°

**Rare Chemicals Library:** S88682-3

>>Derivative: Et ester

**Synonym(s):** Ethyl 4-(dimethylamino)benzoate. Kayacure EPA

**CAS Registry Number:** 10287-53-3

**Molecular Formula:** C<sub>11</sub>H<sub>15</sub>NO<sub>2</sub>

**Molecular Weight:** 193.245

**Accurate Mass:** 193.110279

**Percentage Composition:** C 68.37%; H 7.82%; N 7.25%; O 16.56%

**Use/Importance:** Photopolymerisation initiator for uv-unstable acrylic resins. Sunscreen agent

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 67-68°

>>Derivative: Pentyl ester

**Synonym(s):** Padimate

**CAS Registry Number:** 14779-78-3

**Type of Compound Code(s):** XA6420

**Molecular Formula:** C<sub>14</sub>H<sub>21</sub>NO<sub>2</sub>

**Molecular Weight:** 235.325

**Accurate Mass:** 235.157229

**Percentage Composition:** C 71.46%; H 8.99%; N 5.95%; O 13.60%

**Use/Importance:** Sunscreen

>>Derivative: 3-Methylbutyl ester

**Synonym(s):** Padimate A

**CAS Registry Number:** 21245-01-2

**Type of Compound Code(s):** XA6420

**Molecular Formula:** C<sub>14</sub>H<sub>21</sub>NO<sub>2</sub>

**Molecular Weight:** 235.325

**Accurate Mass:** 235.157229

**Percentage Composition:** C 71.46%; H 8.99%; N 5.95%; O 13.60%

**Use/Importance:** Sunscreen