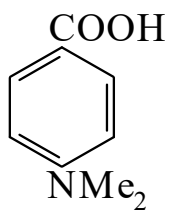




>>Entry Name: 4-(Dimethylamino)benzoic acid, 9CI



CAS Registry Number: 619-84-1

Molecular Formula: C₉H₁₁NO₂

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_{a1} 2.51; pK_{a2} 5.03 (25°)

Aldrich: D13945-9

Fluka: 39110

>>Derivative: Me ester

CAS Registry Number: 1202-25-1

Molecular Formula: C₁₀H₁₃NO₂

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: C₁₁H₁₅NO₂

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: C₁₄H₂₁NO₂

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: C₁₄H₂₁NO₂

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