



CAS Registry Number: 16777-78-9
Molecular Formula: C₁₄H₁₁NO₃
Molecular Weight: 241.246
Accurate Mass: 241.073894
Percentage Composition: C 69.70%; H 4.60%; N 5.81%; O 19.90%
Physical Description: Prisms (EtOH)
Melting Point: Mp 169°

>>Derivative: Dianilide

CAS Registry Number: 7154-31-6
Molecular Formula: C₂₀H₁₆N₂O₂
Molecular Weight: 316.359
Accurate Mass: 316.121178
Percentage Composition: C 75.93%; H 5.10%; N 8.85%; O 10.11%
Physical Description: Cryst. (DMF)
Melting Point: Mp 339°

>>Derivative: Me ester-anilide

CAS Registry Number: 3814-10-6
Molecular Formula: C₁₅H₁₃NO₃
Molecular Weight: 255.273
Accurate Mass: 255.089544
Percentage Composition: C 70.58%; H 5.13%; N 5.49%; O 18.80%
Physical Description: Cryst. (toluene)
Melting Point: Mp 191.5-192°

>>Derivative: Nitrile-anilide
Synonym(s): 4-Cyanobenzanilide

CAS Registry Number: 17922-96-2
Molecular Formula: C₁₄H₁₀N₂O
Molecular Weight: 222.246
Accurate Mass: 222.079313
Percentage Composition: C 75.66%; H 4.54%; N 12.60%; O 7.20%
Physical Description: Cryst. (toluene)
Melting Point: Mp 179.5-180°

>>Derivative: Dihydrazide

CAS Registry Number: 136-64-1
Molecular Formula: C₈H₁₀N₄O₂
Molecular Weight: 194.193
Accurate Mass: 194.080376
Percentage Composition: C 49.48%; H 5.19%; N 28.85%; O 16.48%
Physical Description: Cryst. (H₂O)
Melting Point: Mp 300°

>>Derivative: Dinitrile
Synonym(s): 1,4-Dicyanobenzene

CAS Registry Number: 623-26-7
Molecular Formula: C₈H₄N₂
Molecular Weight: 128.133
Accurate Mass: 128.037448
Percentage Composition: C 74.99%; H 3.15%; N 21.86%
Use/Importance: Photosensitiser. Used in Diels Alder reaction
Physical Description: Dimorphic cryst. (MeOH aq.)
Melting Point: Mp 222°
Solubility: Insol. H₂O; sl. sol. EtOH, Et₂O; sol. C₆H₆
Hazard & Toxicity: Skin and eye irritant

Aldrich: D7672-2
Fluka: 86441

References: