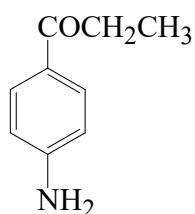




>>Entry Name: 1-(4-Aminophenyl)-1-propanone, 9CI

Synonym(s): 4'-Aminopropiophenone, 8CI. *p*-Aminophenyl ethyl ketone



CAS Registry Number: 70-69-9

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Biological Use/Importance: Antidote to cyanide poisoning

Physical Description: Needles (H₂O)

Melting Point: Mp 140°

Hazard & Toxicity: LD₅₀ (rat, orl) 177 mg/kg. Can cause cyanosis if ingested

>>Derivative: Hydrochloride

Physical Description: Needles

Melting Point: Mp 225°

>>Derivative: Oxime

CAS Registry Number: 6013-66-7

Molecular Formula: C₉H₁₂N₂O

Molecular Weight: 164.207

Accurate Mass: 164.094963

Percentage Composition: C 65.83%; H 7.37%; N 17.06%; O 9.74%

Physical Description: Needles (EtOH)

Melting Point: Mp 153° (156-157° dec.)

>>Derivative: *N*-Benzoyl

Molecular Formula: C₁₆H₁₅NO₂

Molecular Weight: 253.3

Accurate Mass: 253.110279

Percentage Composition: C 75.87%; H 5.97%; N 5.53%; O 12.63%

Physical Description: Plates (EtOH)

Melting Point: Mp 190°

References:

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Robinson, B. *et al.*, *Tetrahedron*, 1973, **29**, 1429

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Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AMC000