



>>Entry Name: 4'-Isopropylacetophenone

ENTRY UNDER REVIEW

Synonym(s): 1-[4-(1-Methylethyl)phenyl]ethanone, 9CI. *p*-Acetylcumene. Methyl *p*-cumyl ketone. Cuminone. FEMA 2927

CAS Registry Number: 645-13-6

Molecular Formula: C₁₁H₁₄O

Molecular Weight: 162.231

Accurate Mass: 162.104465

Percentage Composition: C 81.44%; H 8.70%; O 9.86%

Physical Description: Liq. with an odour reminiscent of orris and basil

Boiling Point: Bp 254°. Bp_{0.8} 68-72°

Density: d¹⁵ 0.98

>>Derivative: Oxime

Molecular Formula: C₁₁H₁₅NO

Molecular Weight: 177.246

Accurate Mass: 177.115364

Percentage Composition: C 74.54%; H 8.53%; N 7.90%; O 9.03%

Melting Point: Mp 70-71°

References:

Matlock, J.O. *et al.*, *J. Polym. Sci.*, 1961, **49**, 533, (*synth*)

Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 410

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 1482-1483