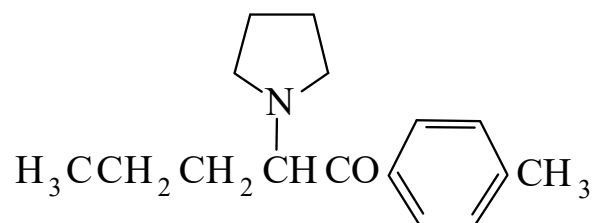




>>Entry Name: Pyrovalerone, INN

Synonym(s): 1-(4-Methylphenyl)-2-(1-pyrrolidinyl)-1-pentanone, 9CI. 4'-Methyl-2-(1-pyrrolidinyl)valerophenone, 8CI



CAS Registry Number: 3563-49-3

Molecular Formula: C₁₆H₂₃NO

Molecular Weight: 245.364

Accurate Mass: 245.177964

Percentage Composition: C 78.32%; H 9.45%; N 5.71%; O 6.52%

Use/Importance: Central stimulant

>>Variant: (±)-form

Molecular Formula: C₁₆H₂₃NO

Molecular Weight: 245.364

Accurate Mass: 245.177964

Percentage Composition: C 78.32%; H 9.45%; N 5.71%; O 6.52%

Boiling Point: Bp_{0.08} 104°

Calculated Log P Data: Log P 4.11 (calc)

>>Derivative: Hydrochloride

Synonym(s): Pyrovalerone hydrochloride, USAN. Centrotron. Thymergix. F 1983. SP 1059

CAS Registry Number: 1147-62-2

Melting Point: Mp 178°

References:

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Heffe, W., *Helv. Chim. Acta*, 1964, **47**, 1289, (*synth*)

Michaelis, W. *et al.*, *J. Med. Chem.*, 1970, **13**, 497, (*metab*)

Kaiser, C. *et al.*, *Annu. Rep. Med. Chem.*, 1972, **7**, 18, (*rev, pharmacol*)

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