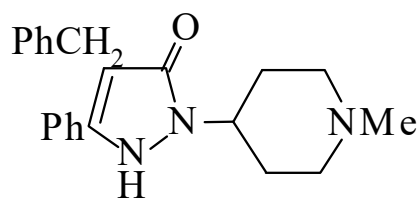




>>Entry Name: Benzpiperylone, INN

Synonym(s): 1,2-Dihydro-2-(1-methyl-4-piperidiny)-5-phenyl-4-(phenylmethyl)-3H-pyrazol-3-one, 9Cl. 4-Benzyl-1-(1-methyl-4-piperidyl)-3-phenyl-3-pyrazolin-5-one, 8Cl. Benzometan. Humedil. Reublonil. Telon. Tolcasil. KB 95



CAS Registry Number: 53-89-4

Molecular Formula: C₂₂H₂₅N₃O

Molecular Weight: 347.459

Accurate Mass: 347.199762

Percentage Composition: C 76.05%; H 7.25%; N 12.09%; O 4.60%

Use/Importance: Used for treatment of connective tissue disorders; analgesic, antiinflammatory, antipyretic agent

Melting Point: Mp 181-183 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 2700 mg/kg. LD₅₀ (rat, ivn) 160 mg/kg

References:

Ebnöther, A. *et al.*, *Helv. Chim. Acta*, 1959, **42**, 1201, (*synth*)

Leemann, H.G. *et al.*, *Helv. Chim. Acta*, 1962, **45**, 177, (*props, cryst struct*)

Cerletti, A. *et al.*, *Boll. Chim. Farm.*, 1963, **102**, 602, (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 9

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, BCP650