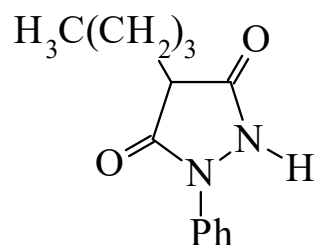




>>Entry Name: Mofebutazone, INN

Synonym(s): 4-Butyl-1-phenyl-3,5-pyrazolidinedione, 9Cl, 8Cl. Arcomonol. Mobutazon. Monazan. Monobutyl. Reumatox. Many other names



CAS Registry Number: 2210-63-1

Molecular Formula: C₁₃H₁₆N₂O₂

Molecular Weight: 232.282

Accurate Mass: 232.121178

Percentage Composition: C 67.22%; H 6.94%; N 12.06%; O 13.78%

Use/Importance: Antiinflammatory, antirheumatic agent. Analgesic

Hazard & Toxicity: LD₅₀ (rat, orl) 1750 mg/kg. LD₅₀ (rat, ipr) 848 mg/kg

Rare Chemicals Library: S35914-9

Sigma: M0882

>>Variant: (±)-form

Molecular Formula: C₁₃H₁₆N₂O₂

Molecular Weight: 232.282

Accurate Mass: 232.121178

Percentage Composition: C 67.22%; H 6.94%; N 12.06%; O 13.78%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 102-103° (150.5°)

References:

- Büchi, J. *et al.*, *Helv. Chim. Acta*, 1953, **36**, 75, (*synth*)
Schoetensack, W., *Arch. Exp. Pathol. Pharmacol.*, 1958, **233**, 365, (*tox*)
Roquebert, J. *et al.*, *Bull. Soc. Pharm. Bordeaux*, 1966, **105**, 145, (*pharmacol*)
Salzmann, U., *Pharm. Acta Helv.*, 1971, **46**, 721, (*tlc*)
Kaempe, B., *Arch. Pharm. Chemi*, 1974, **81**, 1183, (*glc*)
Loew, D. *et al.*, *Z. Rheumatol.*, 1985, **44**, 186; 1986, **45**, 83, (*pharmacol, tox*)
Paradies, H.H. *et al.*, *Dtsch. Apoth. -Ztg.*, 1986, **126**, 477, (*rev*)
Delbeke, F.T. *et al.*, *J. Chromatogr.*, 1986, **369**, 440, (*hplc*)
Paradies, H.H. *et al.*, *Acta Pharm. Technol.*, 1987, **33**, 180
Paradies, H.H. *et al.*, *J. Pharm. Sci.*, 1987, **76**, 920, (*cryst struct, tautom*)
Stoltz, M. *et al.*, *J. Pharm. Sci.*, 1991, **80**, 357, (*cmr*)
Partsch, G., *Arzneim.-Forsch.*, 1992, **42**, 1336, (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 24
Neumuller, J. *et al.*, *Arzneim.-Forsch.*, 1994, **44**, 636, (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 3483, (*synonyms*)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MQY400