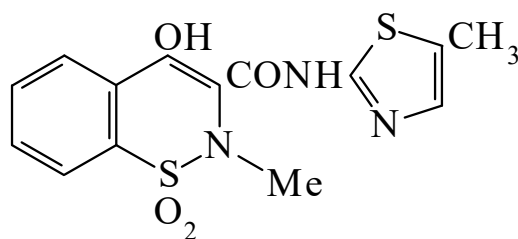




>>Entry Name: **Meloxicam**, BAN, INN, USAN

Synonym(s): 4-Hydroxy-2-methyl-*N*-(5-methyl-2-thiazolyl)-2*H*-1,2-benzothiazine-3-carboxamide 1,1-dioxide, 9Cl. Mesoxicain. Metacain. Metacam. Mobic. UH AC 62



CAS Registry Number: 71125-38-7

Related CAS Registry Numbers(s): 71125-39-8

Molecular Formula: C₁₄H₁₃N₃O₄S₂

Molecular Weight: 351.406

Accurate Mass: 351.034747

Percentage Composition: C 47.85%; H 3.73%; N 11.96%; O 18.21%; S 18.25%

Use/Importance: Cyclooxygenase inhibitor. Analgesic, antiinflammatory agent

Physical Description: Cryst. (CH₂Cl₂)

Development Status: Launched 1996 (South Africa) (Boehringer Ingelheim)

Melting Point: Mp 254 dec.°

pKa Value: p*K*_a 4.08 (H₂O)

Calculated Log P Data: Log P 3.1 (uncertain value) (calc)

References:

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Busch, U. *et al.*, *Drugs Exp. Clin. Res.*, 1990, **16**, 49; 53, (*metab*)
Tsai, R. *et al.*, *Helv. Chim. Acta*, 1993, **76**, 842, (*uv, pKa, props*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1386
Noble, S. *et al.*, *Drugs*, 1996, **51**, 424
Busch, U. *et al.*, *Drug Metab. Dispos.*, 1998, **26**, 576-584, (*metab*)