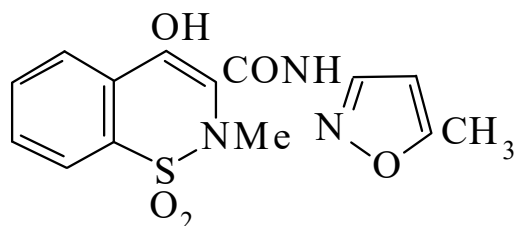




>>Entry Name: Isoxicam, BAN, INN, USAN

Synonym(s): 4-Hydroxy-2-methyl-N-(5-methyl-3-isoxazolyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide, 9Cl. Floxicam. Maxicam. Pacyl. Vectren[†]. Xicane. W 8495



CAS Registry Number: 34552-84-6

Molecular Formula: C₁₄H₁₃N₃O₅S

Molecular Weight: 335.34

Accurate Mass: 335.057592

Percentage Composition: C 50.14%; H 3.91%; N 12.53%; O 23.86%; S 9.56%

Use/Importance: Antiinflammatory, antipyretic agent, analgesic

Physical Description: Cryst. (dioxan)

Development Status: Launched 1983. No longer marketed (withdrawn due to side effects)

Melting Point: Mp 265-271 dec.°

pKa Value: pK_a 3.93 (H₂O, spectrometric) pK_a 4.85 (80% EtOH aq., potentiometric)

Calculated Log P Data: Log P 2.4 (uncertain value) (calc)

Hazard & Toxicity: Adverse skin effects

Sigma: I1762

>>Derivative: Na salt

Physical Description: Cryst. (EtOH)

Melting Point: Mp 270-272 dec.°

References:

- DiPasquale, G. *et al.*, *Agents Actions*, 1975, **5**, 256, (*pharmacol*)
Zinnes, H. *et al.*, *J. Med. Chem.*, 1982, **25**, 12, (*synth, pharmacol*)
Yakatan, G.J., *Semin. Arthritis Rheum.*, 1982, **12**, 153, (*rev*)
DiPasquale, G., *Drugs of Today (Barcelona)*, 1983, **19**, 119, (*rev*)
Borondy, P.E. *et al.*, *Drug Metab. Dispos.*, 1984, **12**, 444, (*metab*)
Svoboda, J. *et al.*, *Coll. Czech. Chem. Comm.*, 1986, **51**, 1133, (*synth*)
Dalla Croce, P. *et al.*, *J. Chem. Res., Synop.*, 1986, 150, (*synth*)
Woolf, T.F. *et al.*, *Drug Metab. Dispos.*, 1989, **17**, 662, (*metab, exp*)
Woolf, T.F. *et al.*, *Eur. J. Drug Metab. Pharmacokinet.*, 1992, **17**, 21, (*metab, human*)
Tsai, R. *et al.*, *Helv. Chim. Acta*, 1993, **76**, 842, (*pKa, props*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 21