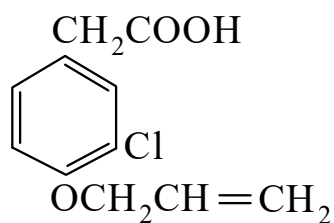




>>Entry Name: **Alclofenac**, BAN, INN, JAN, USAN

Synonym(s): 3-Chloro-4-(2-propenyloxy)benzeneacetic acid, 9Cl. [4-(Allyloxy)-3-chlorophenyl]acetic acid, 8Cl. Allopydin. Argun. **Epinal**‡. Medifenac. Mervan. Neoston. Prinalgin. Reufenac. Vanadian. Zubirol. Zumaril. CP 1044 CG24. My 101. W 7320



CAS Registry Number: 22131-79-9

Molecular Formula: C₁₁H₁₁ClO₃

Molecular Weight: 226.659

Accurate Mass: 226.039672

Percentage Composition: C 58.29%; H 4.89%; Cl 15.64%; O 21.18%

Use/Importance: Analgesic, antipyretic, antiphlogistic. Withdrawn in some countries following reports of toxicity

Physical Description: Prisms (cyclohexane)

Melting Point: Mp 92-93°

Calculated Log P Data: Log P 2.6 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 1050 mg/kg. Exp. reprod. and teratogenic effects

References:

Ger. Pat., 1974, 2 253 466; *CA*, **81**, 25481k, (*synth*)

Lombardino, J.G. *et al.*, *Arzneim.-Forsch.*, 1975, **25**, 1629, (*props, pharmacol*)

Brogden, R.N. *et al.*, *Drugs*, 1977, **14**, 241, (*rev, pharmacol*)

Roncucci, R. *et al.*, *Drugs Exp. Clin. Res.*, 1977, **2**, 9, (*rev, pharmacol*)

Tamura, Y. *et al.*, *Chem. Pharm. Bull.*, 1982, **30**, 915, (*synth*)

Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 2

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, AGN000