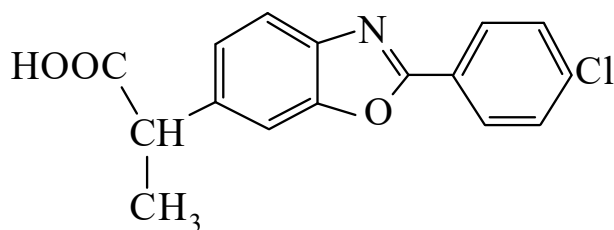




>>Entry Name: Benoxaprofen, BAN, INN, USAN

Synonym(s): 2-(4-Chlorophenyl)- α -methyl-5-benzoxazoleacetic acid, 9CI. 2-[2-(4-Chlorophenyl)-5-benzoxazolyl]propanoic acid. Opren. Bexopron. Coxigon. Inflamid. Lilly 90459. LRCL 3794. Oraflex



CAS Registry Number: 51234-28-7

Related CAS Registry Numbers(s): 66934-19-8 70280-67-0

Molecular Formula: C₁₆H₁₂ClNO₃

Molecular Weight: 301.728

Accurate Mass: 301.050571

Percentage Composition: C 63.69%; H 4.01%; Cl 11.75%; N 4.64%; O 15.91%

Use/Importance: Antiinflammatory agent, analgesic, effective in treatment of psoriasis

Development Status: No longer marketed. Withdrawn in UK (1982) due to side effects

Calculated Log P Data: Log P 3.82 (calc)

Other Data: Enantiomers known, (S)-form more pharmacol. active. May undergo stereoinversion

Hazard & Toxicity: Adverse effects incl. photosensitivity reactions and other skin effects, gastrointestinal and haematological effects, hepatotoxicity and nephrotoxicity. LD₅₀ (rat, orl) 118 mg/kg. Peroxisome proliferator

>>Variant: ($\pm$)-form

CAS Registry Number: 67434-14-4

Molecular Formula: C₁₆H₁₂ClNO₃

Molecular Weight: 301.728

Accurate Mass: 301.050571

Percentage Composition: C 63.69%; H 4.01%; Cl 11.75%; N 4.64%; O 15.91%

Physical Description: Cream solid (EtOH)

Melting Point: Mp 189-190°

References:

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