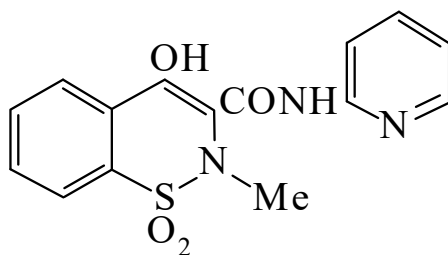




>>Entry Name: **Piroxicam**, BAN, INN, JAN, USAN

Synonym(s): 4-Hydroxy-2-methyl-*N*-2-pyridinyl-2*H*-1,2-benzothiazine-3-carboxamide 1,1-dioxide, 9CI. **Brexidol**‡. Brexin. Cycladol. Fasax. **Feldene**‡. Flamatrol. Improntal. Larapam. Piroflam. Pirox. Pirozip. Reudene. CP 16171. Many other names



CAS Registry Number: 36322-90-4

Related CAS Registry Numbers(s): 96684-39-8 121696-62-6

Molecular Formula: C₁₅H₁₃N₃O₄S

Molecular Weight: 331.351

Accurate Mass: 331.062677

Percentage Composition: C 54.37%; H 3.95%; N 12.68%; O 19.31%; S 9.68%

Biological Use/Importance: Antiinflammatory agent

Physical Description: Cryst. (MeOH)

Development Status: Marketed drug. Launched 1982

Melting Point: Mp 198-200°

pKa Value: p*K*_{a1} 1.86; p*K*_{a2} 5.46 (H₂O)

Calculated Log P Data: Log P 2.7 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 216 mg/kg. Exp. reprod. effects. Exp. fetotoxic

Sigma: P5654

>>Derivative: 2-Aminoethanol salt

Synonym(s): **Piroxicam olamine**, USAN. CP 16171-85

CAS Registry Number: 85056-47-9

>>Derivative: Cinnamoyl

Synonym(s): **Piroxicam cinnamate**, USAN. Cinnoxycam. Sinartol. SPA-S-510

CAS Registry Number: 87234-24-0

Molecular Formula: C₂₄H₁₉N₃O₅S

Molecular Weight: 461.497

Accurate Mass: 461.104542

Percentage Composition: C 62.46%; H 4.15%; N 9.11%; O 17.33%; S 6.95%

Physical Description: Cryst. (EtOAc)

Development Status: Launched 1988

Melting Point: Mp 157-158°

>>Derivative: Compd. with β-cyclodextrin

Synonym(s): **Piroxicam betadex**, USAN. Brexidol

CAS Registry Number: 96684-40-1

Use/Importance: Analgesic, antiinflammatory and antirheumatic agent

>>Derivative: Phosphate ester

Synonym(s): 2-Methyl-4-(phosphonoxy)-*N*-2-pyridinyl-2*H*-1,2-benzothiazine-3-carboxamide 1,1-dioxide, 9CI. **Piroxafos**

CAS Registry Number: 82801-42-1

Molecular Formula: C₁₅H₁₄N₃O₇PS

Molecular Weight: 411.331

Accurate Mass: 411.029009

Percentage Composition: C 43.80%; H 3.43%; N 10.22%; O 27.23%; P 7.53%; S 7.80%

Melting Point: Mp 245° (dec.)

Other Data: Metab. to piroxicam

References: