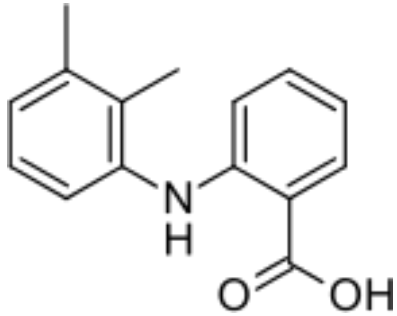


Nonsteroidal Anti-inflammatory Drugs (NSAIDs) - II

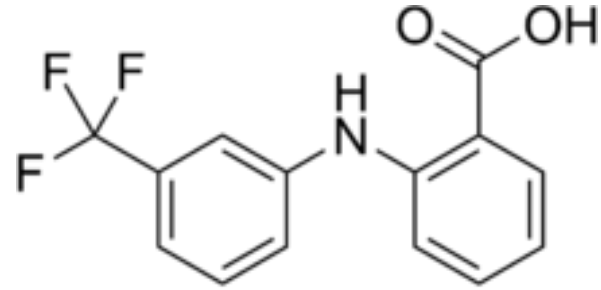
**INTRODUCTION TO
PHARMACEUTICAL CHEMISTRY**

Mefenamic acid



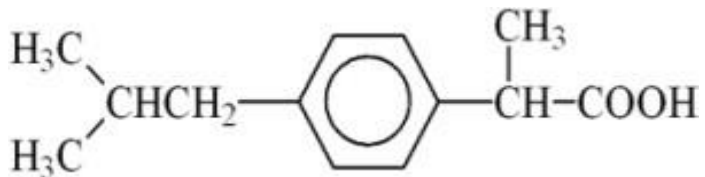
2-(2,3-dimethylphenyl)aminobenzoic acid

Flufenamic acid



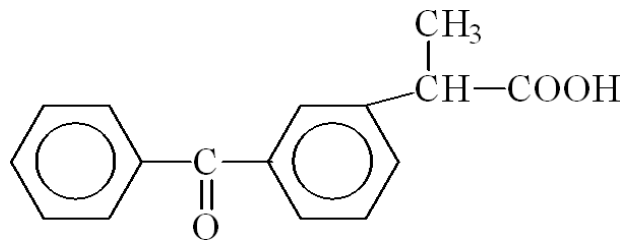
2-{{3-(Trifluoromethyl)phenyl}amino}benzoic acid

ARYL PROPIONIC ACID DERIVATIVES



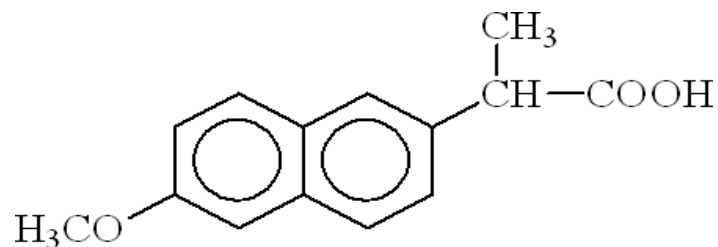
Ibuprofen

2-(p-isobutylphenyl)propanoic acid



Ketoprofen

2-(3-benzoyl phenyl)
propanoic acid

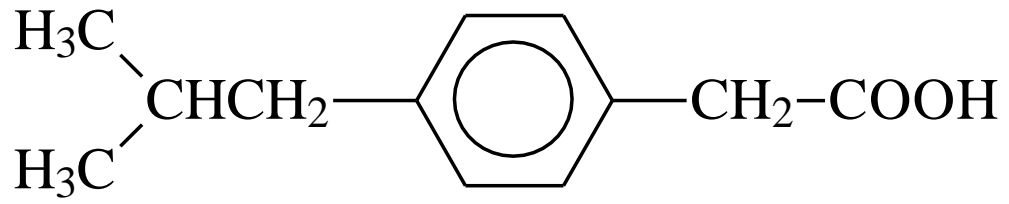


Naproxen

2-(6-methoxy-2-naphthyl)
propanoic acid

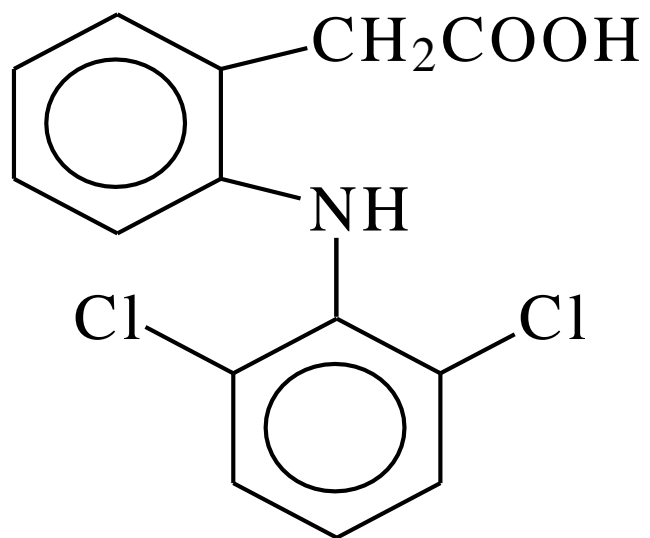
PHENYL ACETIC ACID DERIVATIVES

Ibuprofen



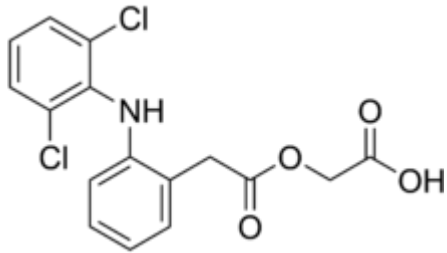
p-isobutylphenylacetic acid

Diclofenac



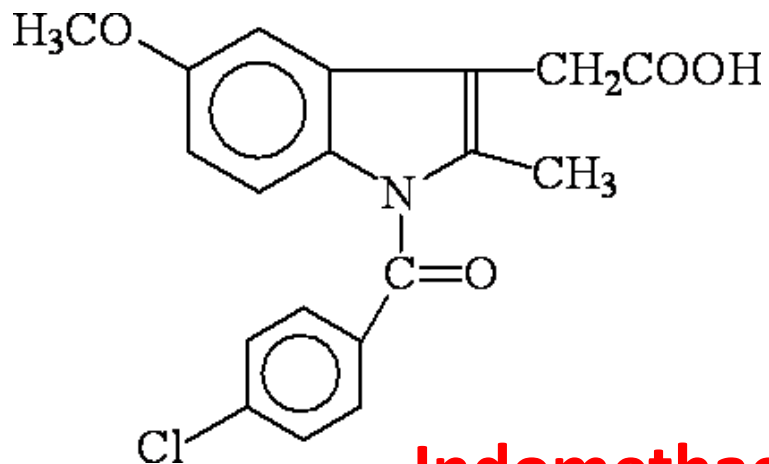
2-(2,6-dichloroanilino)phenylacetic acid

Aceclofenac



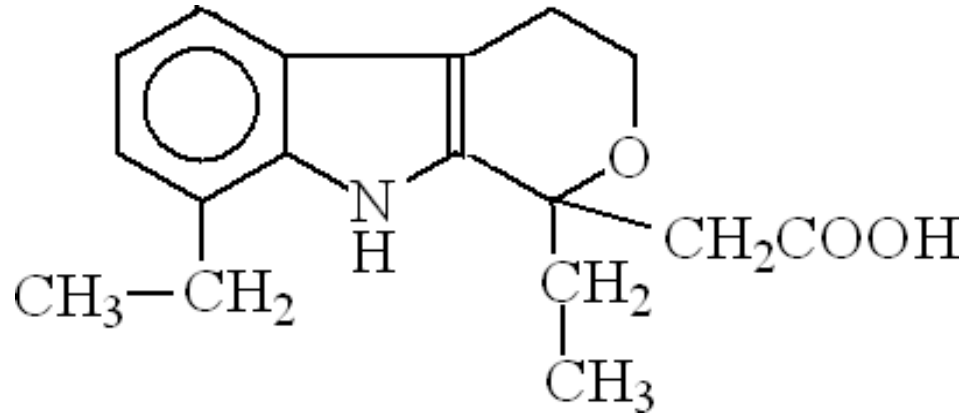
2-[2-[2-[(2,6-dichlorophenyl)amino]phenyl]acetyl]oxyacetic acid

INDOLE ACETIC ACID DERIVATIVES



Indomethacin

1-(p-chlorobenzoyl)-5-methoxy-2-methyl-
indole-3-acetic acid

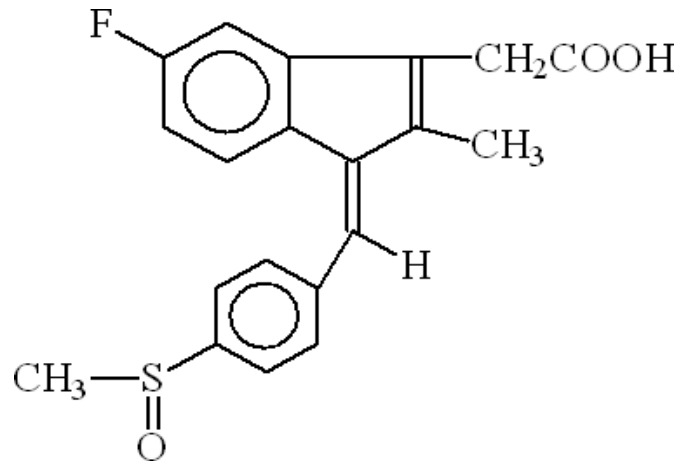


Etodolac

1,8-diethyl-1,3,4,9-tetrahydropirano[3,4-b]
indole-1-acetic acid

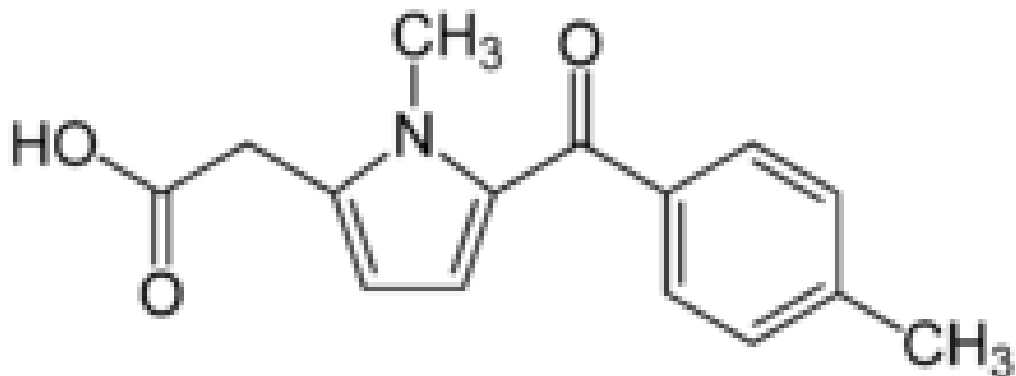
Sulindac

{{(1Z)-5-fluoro-2-methyl-1-[4-(methylsulfinyl)benzylidene]-1H-indene-3-yl}acetic acid



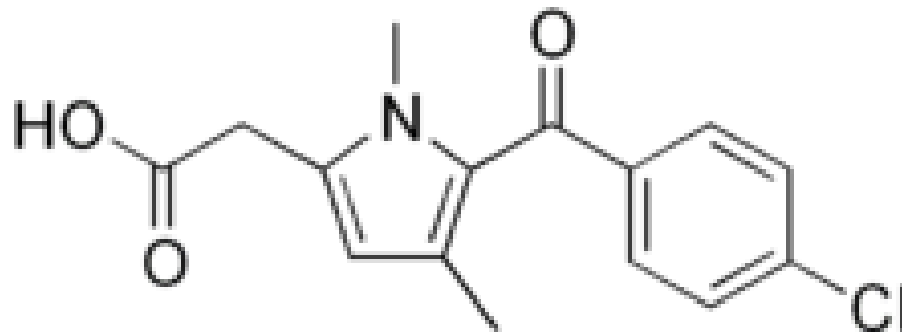
PYRROLE 2-ACETIC ACID DERIVATIVES

Tolmetin



[1-methyl-5-(4-methylbenzoyl)-1*H*-pyrrol-2-yl]acetic acid

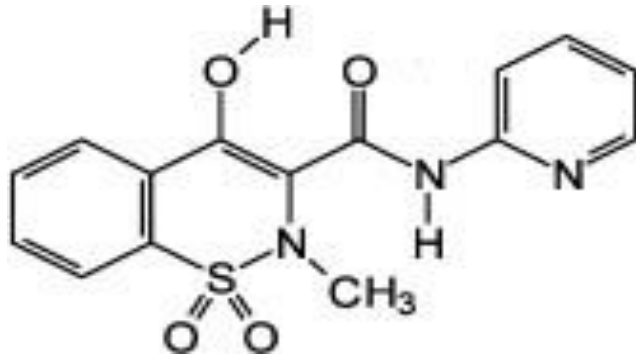
Zomepirac



2-[5-(4-Chlorobenzoyl)-1,4-dimethyl-pyrrol-2-yl]acetic acid

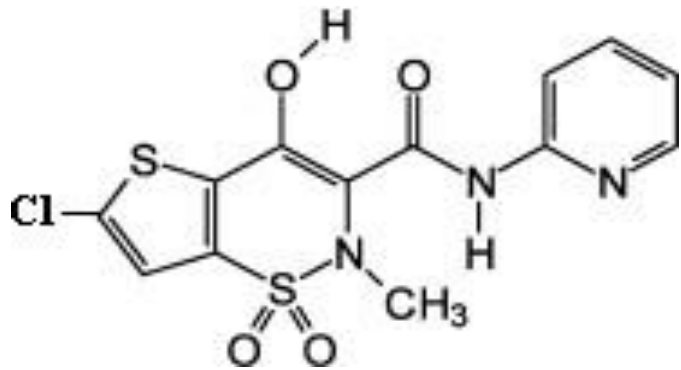
OXICAMS (ENOLIC ACIDS)

Piroxicam



4-Hydroxy-2-methyl-N-(2-pyridinyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide

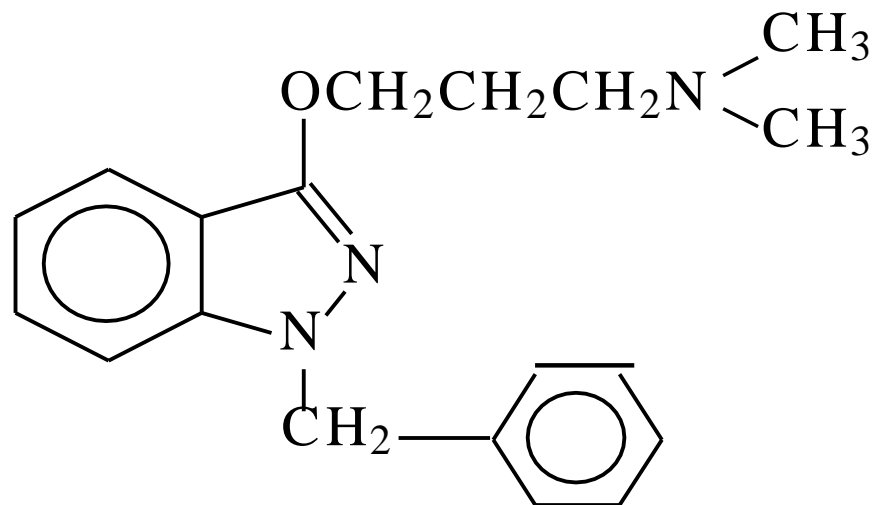
Lornoxicam



6-Chloro-4-hydroxy-2-methyl-N-(2-pyridinyl)-2H-thieno[2,3-e]-1,2-thiazin-3-carboxamide-1,1-dioxide

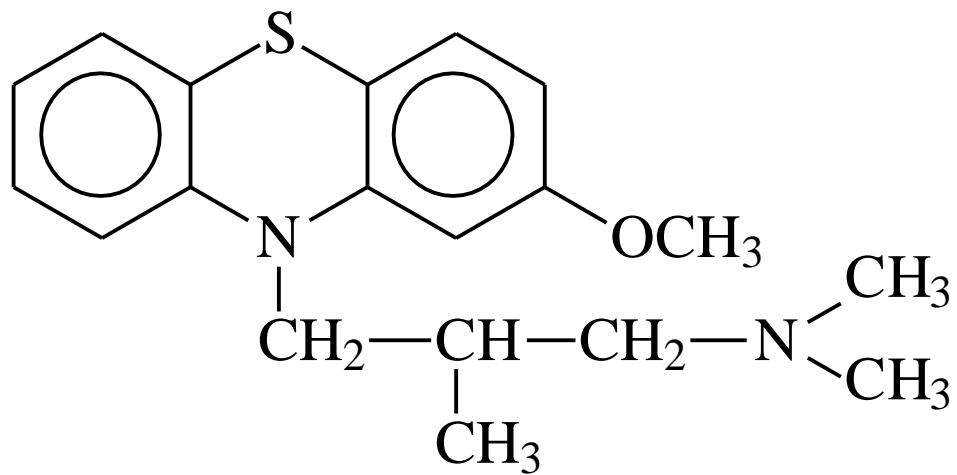
OTHER DERIVATIVES

Benzydamine

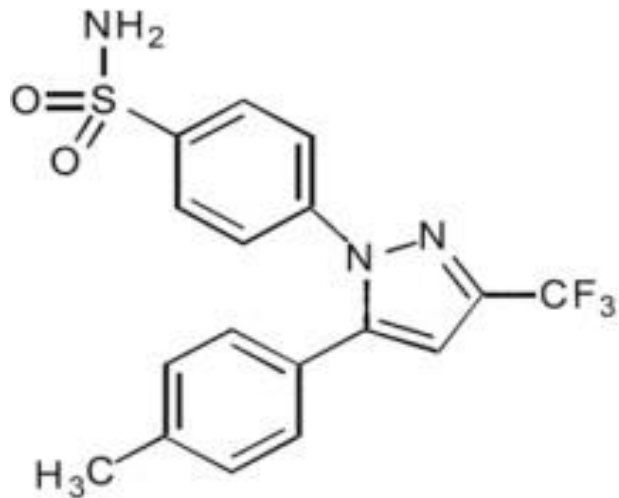


3-(1-benzyl-1*H*-indazol-3-yloxy)-*N,N*-dimethylpropan-1-amine

Lovoprome

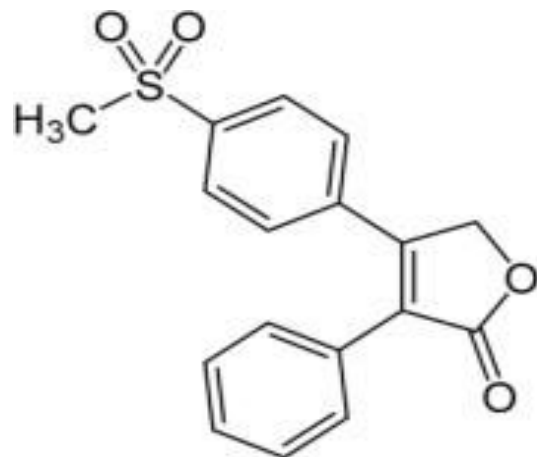


SELECTIVE CYCLOOXYGENASE-2 (COX-2) INHIBITORS



Celecoxib

4-[5-(4-Methylphenyl)-3-(trifluoromethyl)pyrazol-1-yl]benzenesulfonamide



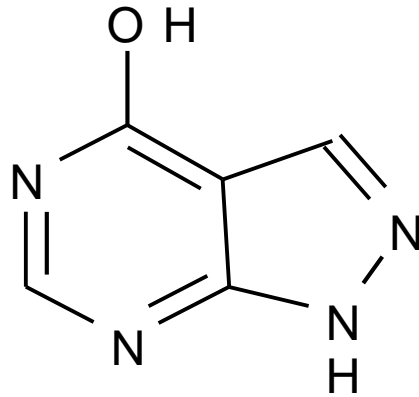
Rofecoxib

4-(4-methylsulfonylphenyl)-3-phenyl-5H-furan-2-one

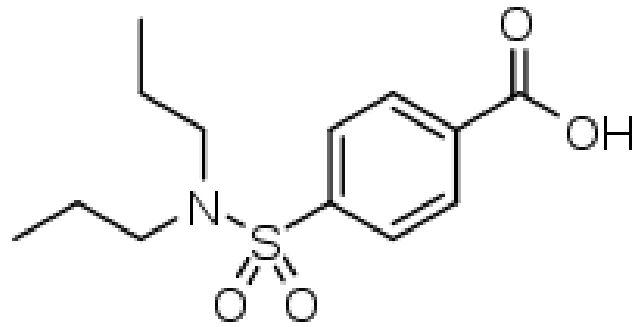
DRUGS USED GOUT TREATMENT

Gout occurs when **urate crystals** accumulate in the joint, causing the inflammation and intense pain of a gout attack.

Medications to prevent gout complications



allopurinol



probenecid