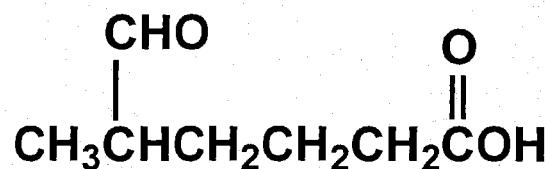


B-Subordinate groups

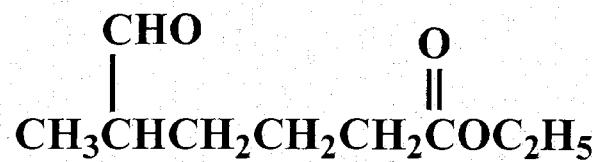
- . They are cited only as prefixes

<u>Subordinate groups</u>	<u>Prefix</u>
Azides	azido
halides	halo
nitro	nitro

Naming of polyfunctional organic compounds

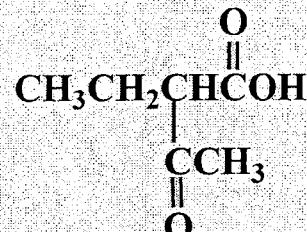


5-methyl-6-oxohexanoic acid

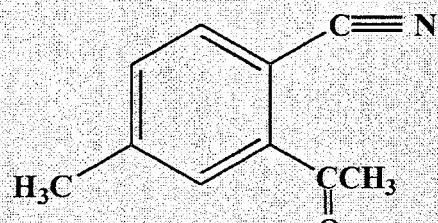


Ethyl 5-methyl-6-oxohexanoate

Naming of polyfunctional organic compounds



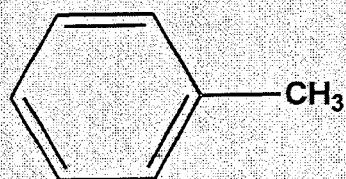
2-Ethyl -3-oxobutanoic acid



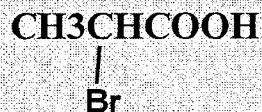
2-Acetyl-4-methylbenzonitrile

Single- word names

When the principal functional group is itself a compound, the name is written as a single word.



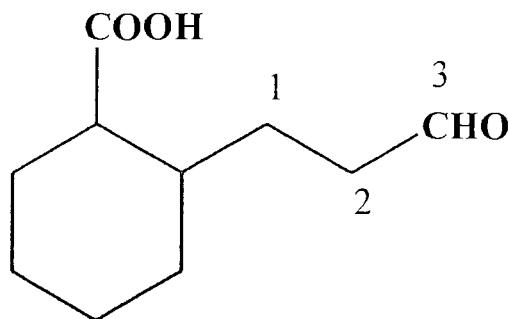
Methylbenzene
(Not Methyl benzene)



2-Bromopropanoic acid

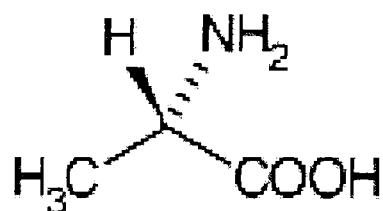
The use of parentheses

They are used to denote complex substituents



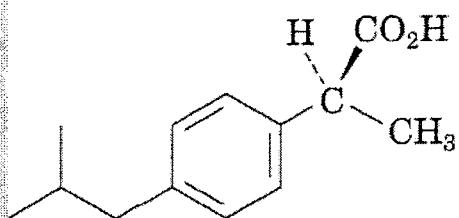
2-(3-oxopropyl) cyclohexanecarboxylic acid

R and S configuration in chiral drugs



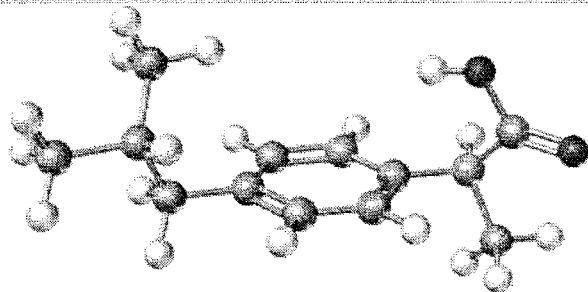
(S)-2-amino propanoic acid (Alanine)

R and S configuration in chiral drugs



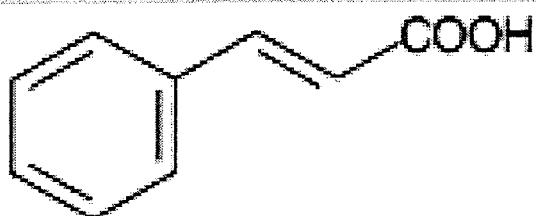
(S)-Ibuprofen
(an active analgesic agent)

©2004 Thomson - Brooks/Cole



(S)-2-(4-isobutylphenyl) propionic acid

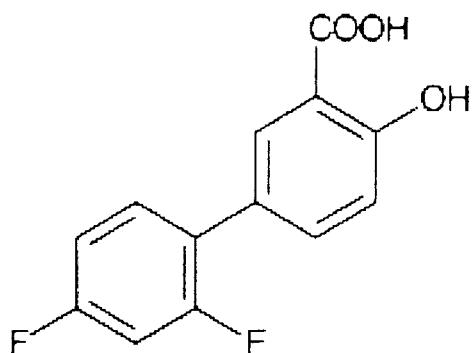
E and Z stereochemistry in nomenclature



Cinnamic Acid (Antimicrobial preservative)

(E)-3-phenylprop-2-enoic acid

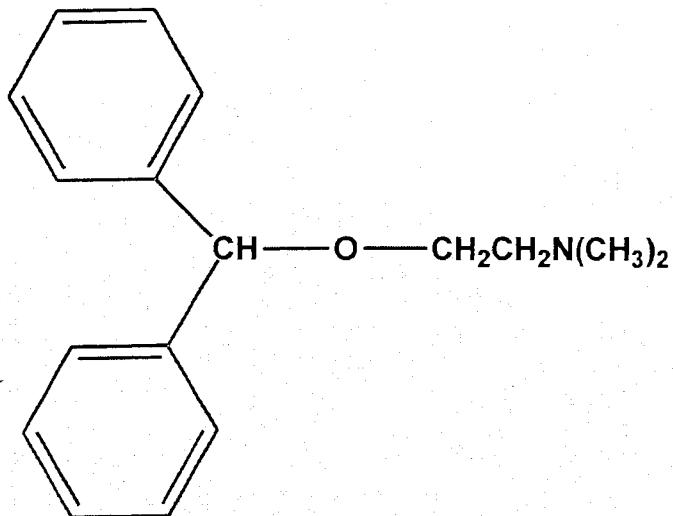
Name derived from biphenyl-3-carboxylic acid



Diflunisal (Anti-inflammatory; analgesic)

2',4'-difluoro-4-hydroxybiphenyl- 3-carboxylic acid

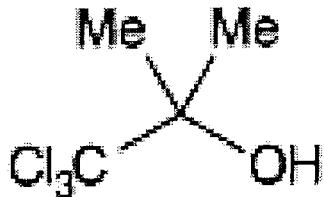
Name derived from alkoxyalkylamine



Diphenhydramine (Antihistamine)

2- diphenylmethoxy-*N,N*-dimethylethylamine

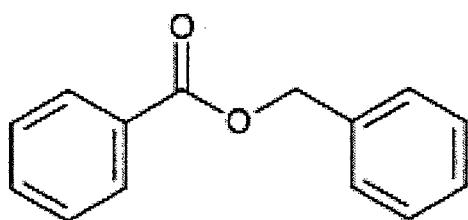
Name derived from propan-2-ol



**Chlorobutanol (Antimicrobial preservative hypnotic,
local anesthetic)**

1,1,1-trichloro-2-methylpropan-2-ol

Ester of benzoic acid



Used topically in the treatment of scabies

Benzyl Benzoate

Naming Of certain drugs

Draw the structure and give the chemical name for each of the following drugs:

Ketoprofen

Diclofenac

Paracetamol

Sulfanilamide

Nandrolone

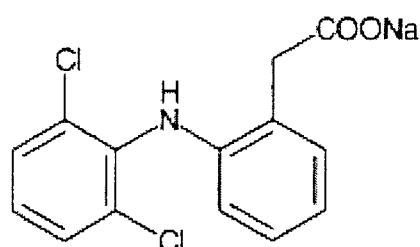
Flufenamic acid

Norepinephrine

Prednisone

5-aminocaproic acid

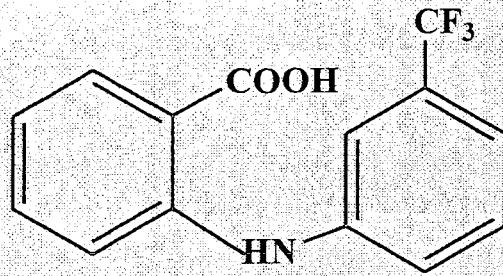
Albuterol



Sodium diclofenac

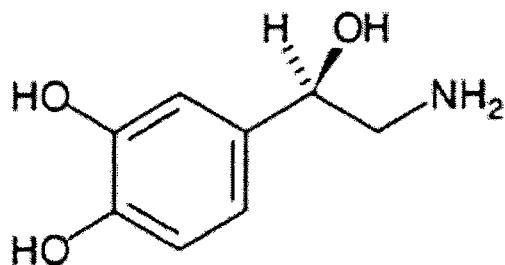
IUPAC name:

Sodium 2-[(2,6-dichlorophenyl)amino]-phenyl]acetate



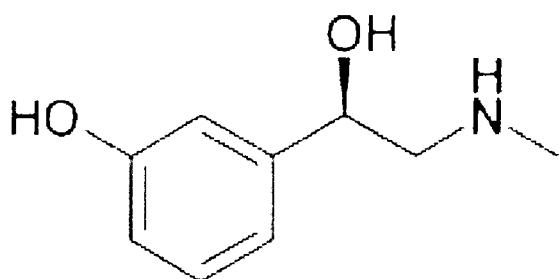
Flufenamic acid

N-(m-trifluorotolyl) anthranilic acid



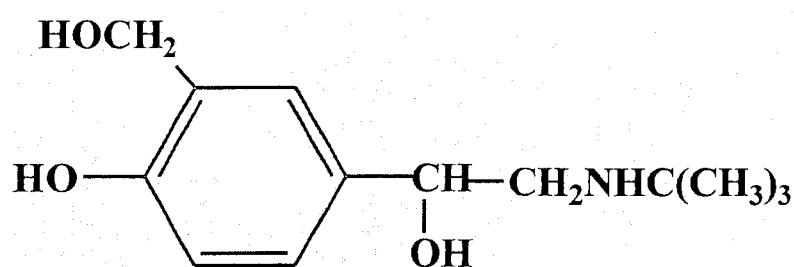
(R)-Norepinephrine

(R)-4-(1-hydroxy- 2 amino)ethyl)benzene-1,2-diol



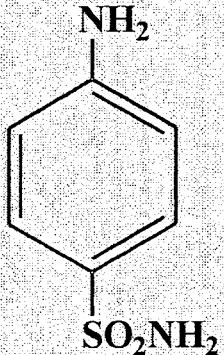
Phenylephrine

(R)-3-[1-hydroxy-2-(methylamino)ethyl]phenol



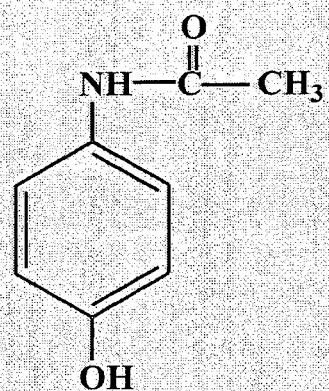
Albuterol (Salbutamol)

(RS)-4-[2-(tert-butylamino)-1-hydroxyethyl]-2-(hydroxymethyl)phenol



sulfanilamide

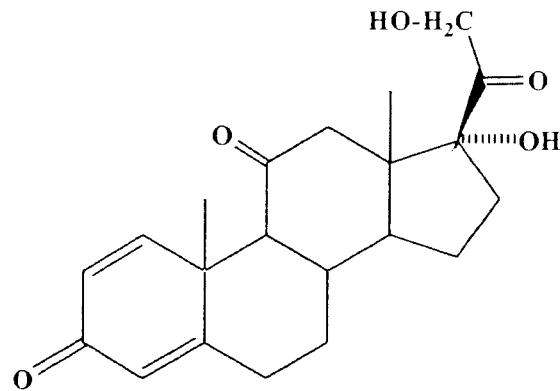
4-aminobenzenesulfonamide



Acetaminophen, Paracetamol

N-(4-hydroxyphenylethanamide

N-(4-hydroxyphenylacetamide

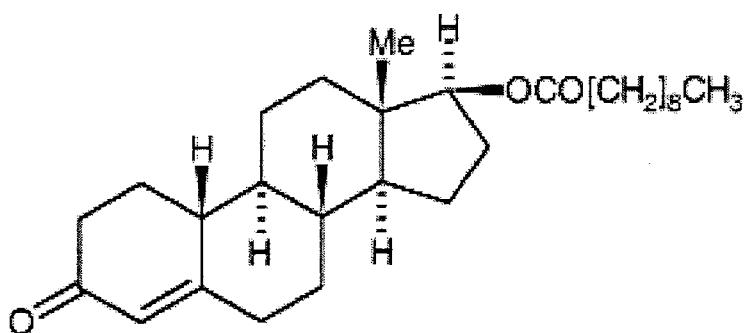


Prednisone (A corticosteroid)

17 α ,21-dihydroxypregna-1,4-dien-3,11,20-trione

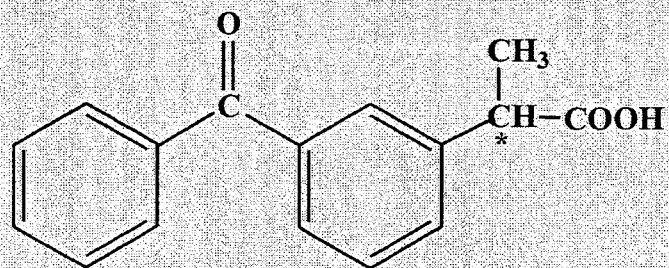


**6-aminocaproic acid
(Hemostatic agent)**



Nandrolone decanoate (Anabolic steroid)

3-oxo-estr-4-en-17 β -yl decanoate



Ketoprofen (NSAID)

2-(3-benzoylphenyl)propionic acid