

#### Explanation of subject matter and relationship with other headings

This heading is primarily concerned with antibiotics of unknown constitution produced by fungi and bacteria and with processes for extracting, purifying and stabilizing such antibiotics

Also included are salts, addition products and derivatives of such antibiotics and processes for their production

This heading also embraces compositions of the above with stabilizers and solubilizers, and bioactive compositions containing antibiotics of unknown constitution in conventional pharmaceutical or pesticidal forms

Excluded are:

- . antibiotics known to be polypeptides—C3H, Proteins, enzymes and nucleic acids
- . antibiotics of known constitution *other than* polypeptides— headings appropriate to such compounds, *eg* C2C, Organic compounds; C2P, Organic compounds containing phosphorus; C2U, Steroids
- . compositions of antibiotics with materials *other than* stabilizers, solubilizers or conventional diluents or carriers—headings for type of composition, *eg* A2B, Food preparations; A5B, Pharmaceutical preparations &c
- . producing antibiotics of unknown composition using the techniques grouped under the term “combinatorial chemistry”, that is, the synthesis of large arrays (known as “chemical libraries”) of diverse antibiotics by the systematic and repetitive connection of a set different “building blocks” of different structure—C2L, Combinatorial chemistry and chemical libraries

The exclusion references listed in this heading are not exhaustive. Reference should be made to the appropriate general heading/s for processes, materials, elements or devices which may be more widely applicable than can appropriately be classified in this heading

#### Relationship with the Universal Indexing Schedules (heading U1S)

As classification in this heading inherently denotes use as an antibiotic, term S2410 from U1S is not assigned for inventions classified here. Subject to its indexing rules, U1S may be used to record other uses or applications disclosed

#### Operative dates for Key entries

The operative dates of the terms in this heading are:

1. for terms annotated by a marginal code, that of the Edition corresponding to that code
2. for all other terms, earlier than that of Edition A

#### Classifying, indexing and searching Notes

1. All documents are classified according to the micro-organism used to produce the antibiotic. Salts, addition products, derivatives and compositions of antibiotics are classified with reference to the micro-organism used in the production of the original antibiotic
2. Where there is correspondence between a term of this Edition and one from Edition I, the code for Edition I is shown in brackets after the term
3. File lists for the present terms will include documents previously indexed by the corresponding superseded terms
4. Processes for producing antibiotics falling within the scope of this heading by electrolytic methods characterised wholly or in part by selection of electrolytic conditions, parameters or procedures, or by the selection of materials such as electrolytes for use in electrolytic processes, are classified also under C7B, Electrolysis
5. Disclosure relating to micro-organisms used in producing antibiotics is recorded also by assigning terms from Heading C6Y, Indexing Schedule for micro-organism information. Details of the indexing practice are given in that schedule

Classifying Schedulej  
j  
j  
j  
j

- production of antibiotic—  
 AF . using Actinomycetes (A2F)  
 AB . using other bacteria (A2B)  
 AG . from other sources (*including* fungi) (A2G)  
 AZ . using two or more of the above

Indexing Schedule

. *terms from this Schedule are assigned with any term from the Classifying Schedule*

- processes involving—  
 A1A . addition of other substances to the antibiotic or a solution thereof for solubilization, stabilization or similar purposes  
 A1B . cultivation of the micro-organism  
     . recovery, purification or modification—  
       . chemical transformations—  
 A1C2A . . . conversion of the antibiotic into a salt thereof, or of one salt into another  
 A1C2B . . . liberation of the antibiotic from a salt thereof  
 A1C2C . . . other than the above  
     . physical processes involving—  
 A1C1A . . . adsorption of the antibiotic and removal thereof from the adsorbate  
 A1C1B . . . extraction of the antibiotic from one solvent into another  
 A1C1C . . . selective adsorption, precipitation or solution of impurities or by-products  
     . . . special methods of recovering the antibiotic from solution—  
 A1C1D1 . . . . precipitation by addition of a non-solvent  
 A1C1D2 . . . . other methods  
 A1C1E . . . other steps
- properties and uses—  
 . *Terms A3- are assigned in addition to any terms assigned from UIS (See also note on UIS above)*  
 . pharmaceutical—  
 A3A1 . . with carrier or diluent for the active ingredient or in specified formulation  
     . . *Antibiotics containing more than one active ingredient, or containing a non-conventional carrier or diluent, are indexed also in A5B, Pharmaceutical preparations &c*  
 A3B . other activity—  
 A3B1 . . with carrier or diluent for the active ingredient or in specified formulation  
     . . *Antibiotics containing more than one active ingredient, or containing a non-conventional carrier or diluent, are indexed also in A5E, Pesticides, herbicides, disinfectants &c*