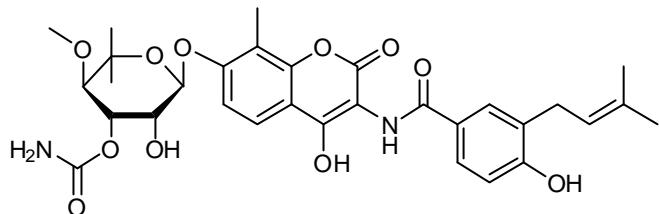


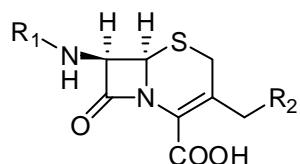
29. 41 抗生物質 (Antibiotics.)

(1) 複素環式のもの
(Heterocyclic)

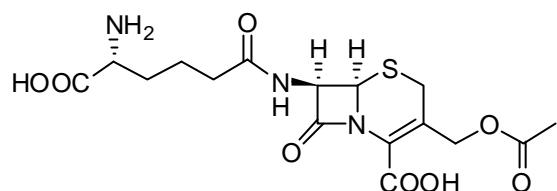
— ノボビオシン
(Novobiocin)



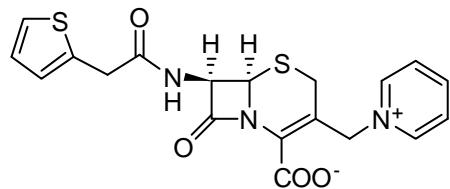
— セファロスポリン類
(Cephalosporins)
セファロスポリン核を有するもの: R₁、R₂ が変わる。
(Those which have cephalosporin nucleus: R₁ and R₂ to change.)



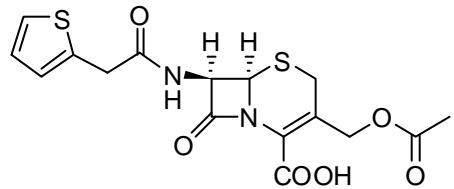
-- セファロスポリン C
(Cephalosporin C)



-- セファロリジン
(Cephaloridine)

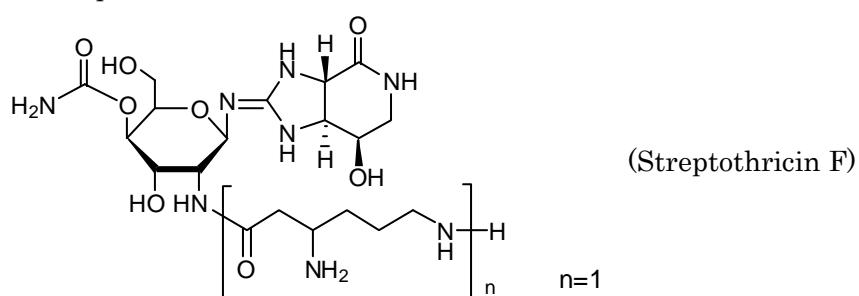


-- セファロチン
(Cephalothin)



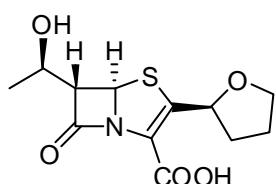
- ストレプトスライシン

(Streptothricin)



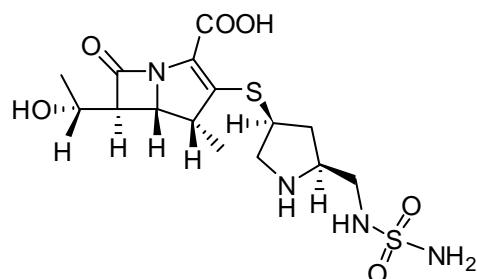
- フアロペナム (INN)

(Faropenem (INN))



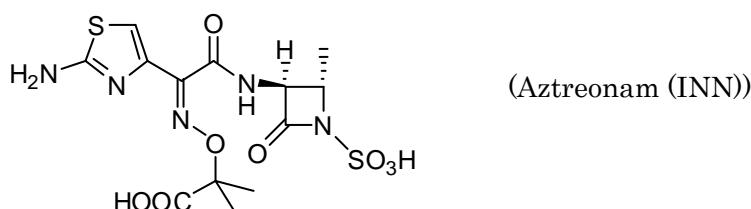
- ドリペナム (INN)

(Doripenem (INN))



- モノバクタム類

(Monobactams)

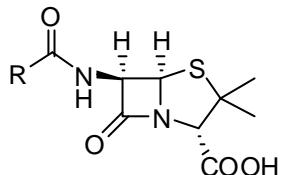


— ペニシリン類 (Penicillins)

分子中に次の核を有するもので、抗生素としての作用のあるもの R が変わる事により次のような各種ペニシリンがある。

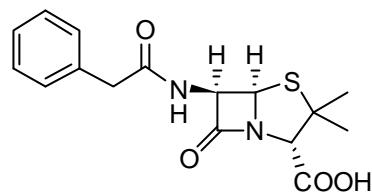
カルボキシル基の H が Na、K 塩となったもの、あるいはエステル結合したものもある。

(Penicillins that have the following nucleus in their molecules and function as antibiotics are classified into the types listed below by their R's different from each other. In some of those, H of the carboxyl radicals changes to sodium or potassium salt, or undergoes ester bonding.)



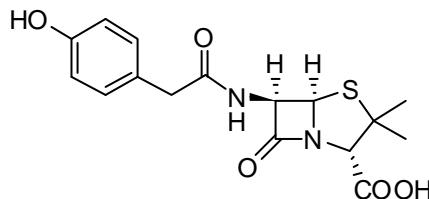
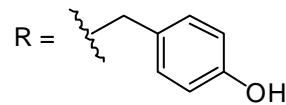
— ペニシリン G
(Penicillin G)

R = ベンジル基
(R =benzyl radical)



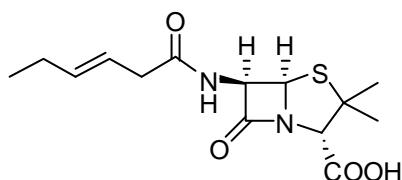
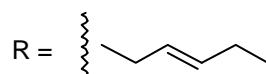
— ペニシリン X
(Penicillin X)

R = パラヒドロキシベンジル基
(R =*p*-hydroxybenzyl radical)

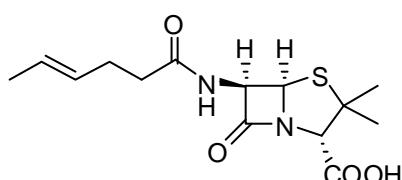
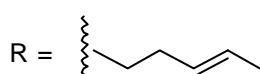


— ペニシリン F
(Penicillin F)

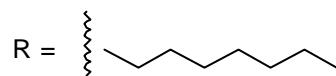
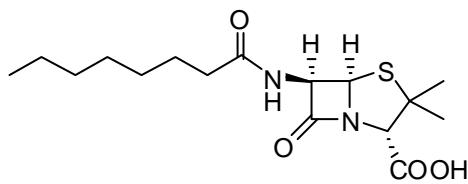
R = 2-ペントニール基
(R =2-pentenyl)



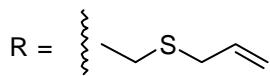
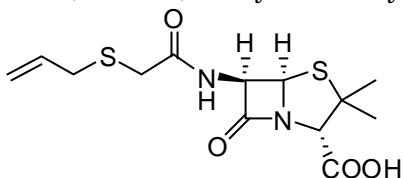
R = 3-ペントニール基
(R =3-pentenyl)



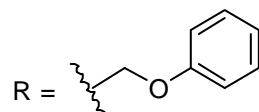
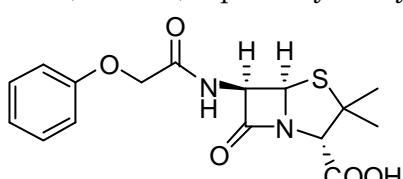
—ペニシリン K
(Penicillin K) $R =$ ヘプチル基
($R=$ heptyl)



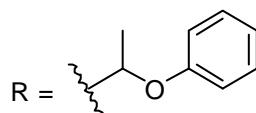
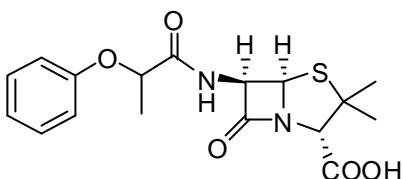
—ペニシリン O
(Penicillin O) $R =$ アリルチオメチル基
($R=$ allythiomethyl)



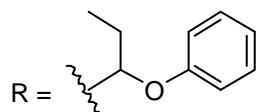
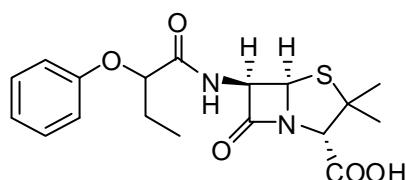
—ペニシリン V
(Penicillin V) $R =$ フエノキシメチル基
($R=$ phenoxyethyl)



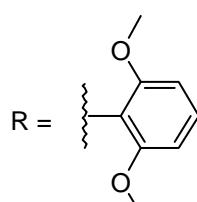
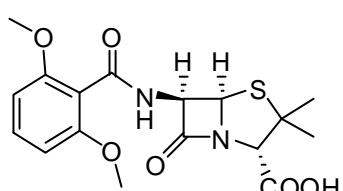
—フェノキシエチルペニシリン
(Phenoxyethylpenicillin)



—フェノキシプロピルペニシリン
(Phenoxypropylpenicillin)

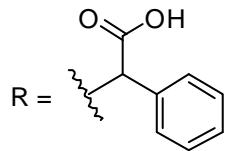
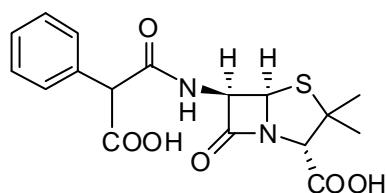


—2,6-ジメトキシフェニルペニシリン
(2,6-Dimethoxyphenylpenicillin)



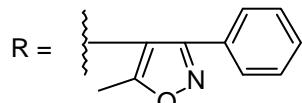
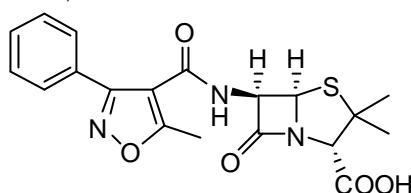
-- カルベニシリン

(Carbenicillin)



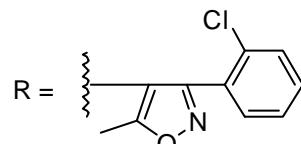
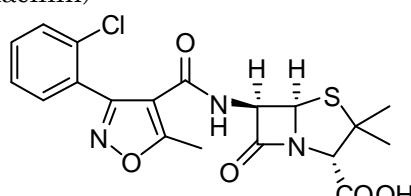
-- メチルフェニルイソキサゾリルペニシリン

(Oxacillin)



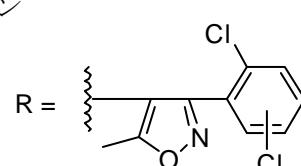
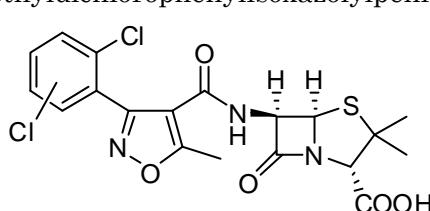
-- メチルクロロフェニルイソキサゾリルペニシリン

(Cloxacillin)



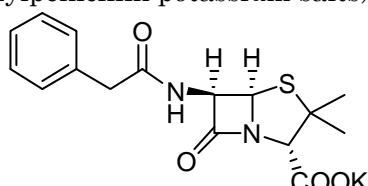
-- メチルジクロロフェニルイソキサゾリルペニシリン

(Methyldichlorophenylisoxazolylpenicillins)



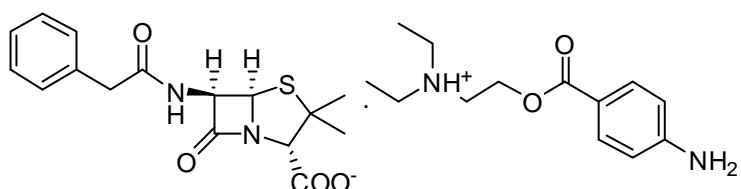
-- ベンジルペニシリンカリウム

(Benzylpenicillin potassium salts)



- プロカインペニシリン

(Procaine penicillin)

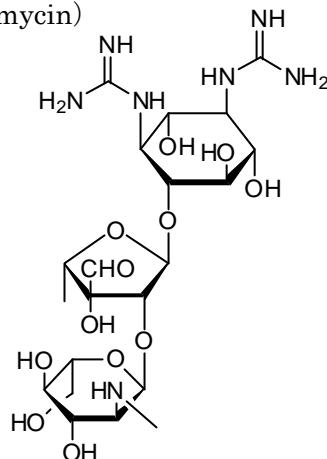


(2) 糖類に関するもの

(Sugar-related)

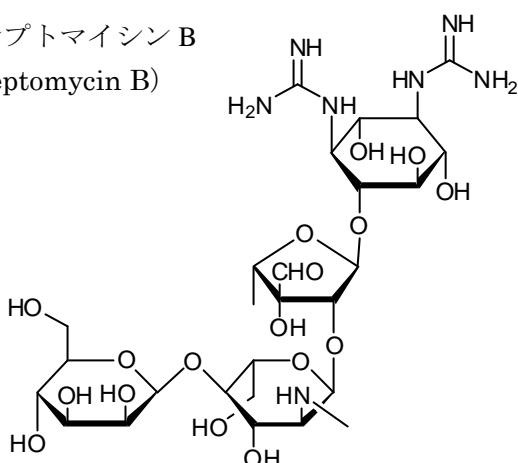
- ストレプトマイシン

(Streptomycin)



- ストレプトマイシン B

(Streptomycin B)

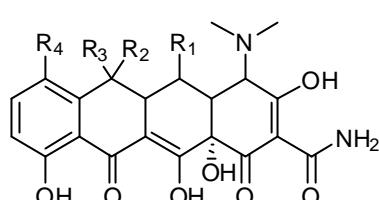


(3) テトラサイクリン類及びその誘導体

(Tetracyclines and their derivatives)

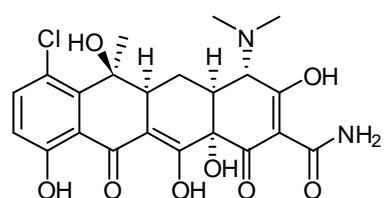
一般式

(General formula)

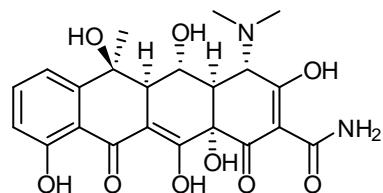


- クロルテトラサイクリン (INN)

(Chlortetracycline (INN))

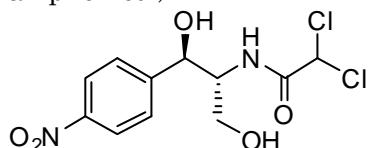


- オキシテトラサイクリン (INN)
(Oxytetracycline (INN))



(4) クロラムフェニコール

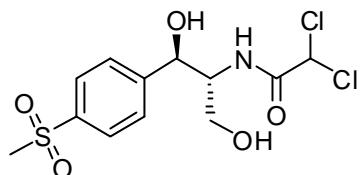
(Chloramphenicol)



- クロラムフェニコールの誘導体
(Derivatives of chloramphenicol)

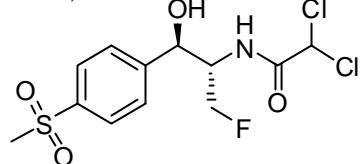
- チアンフェニコール

(Thiamphenicol)



- フロルフェニコール

(Florfenicol)

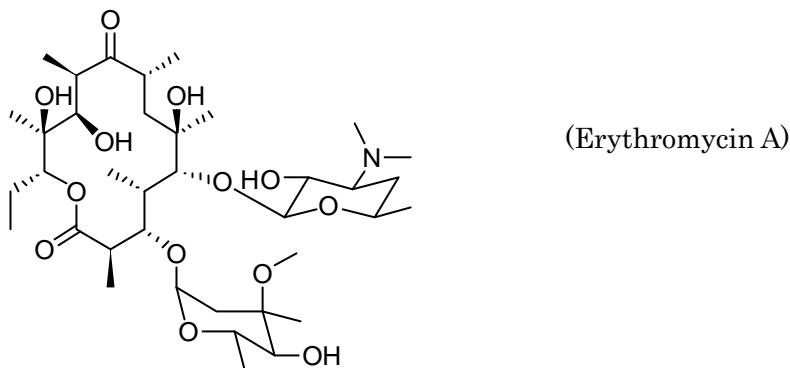


(5) マクロライド類

(Macrolides)

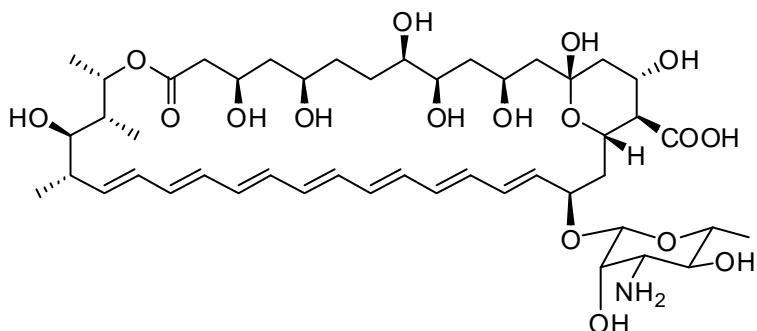
- エリスロマイシン

(Erythromycin)



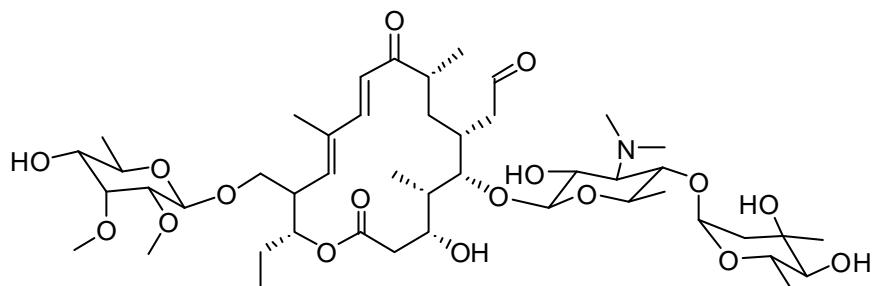
- アンホテリシン B

(Amphotericin B)



- タイロシン

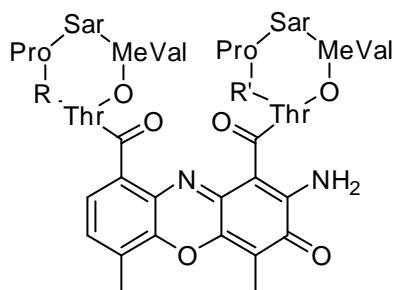
(Tylosin)



(6) ポリペプチド類

(Polypeptides)

- アクチノマイシン類
(Actinomycins)



(Actinomycin C (Cactinomycin))

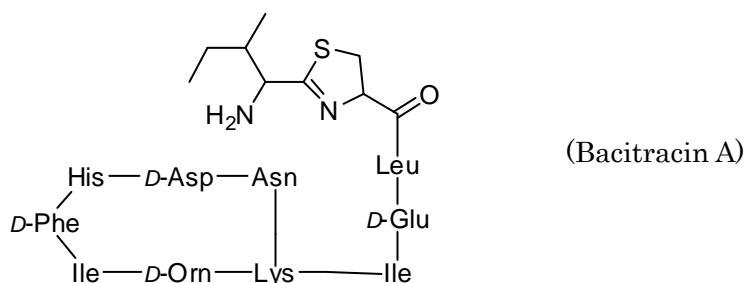
Actinomycin C₂ R = D-Valine

R' = D-Alloisoleucine

Actinomycin C₃ R = D-Alloisoleucine

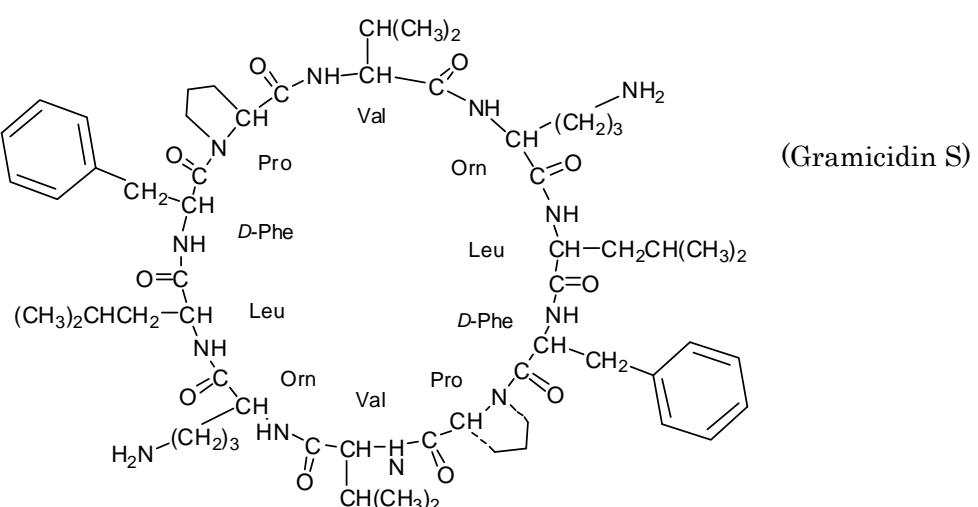
R' = D-Alloisoleucine

- バシトラシン
(Bacitracins)



(Bacitracin A)

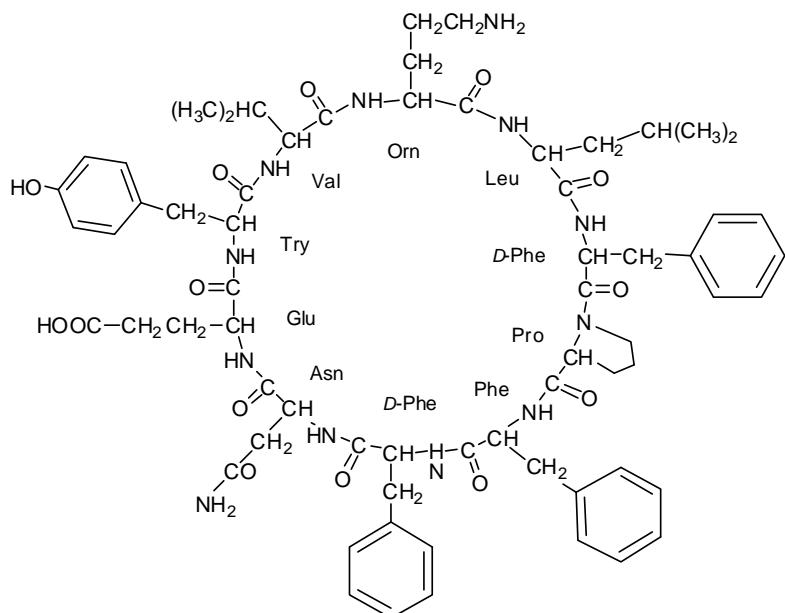
- グラミジン類
(Gramicidins)



(Gramicidin S)

- チロシジン

(Tyrocidin)

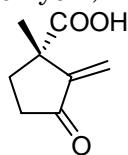


(7) その他の抗生素質

(Other antibiotics)

- ザルコマイシン

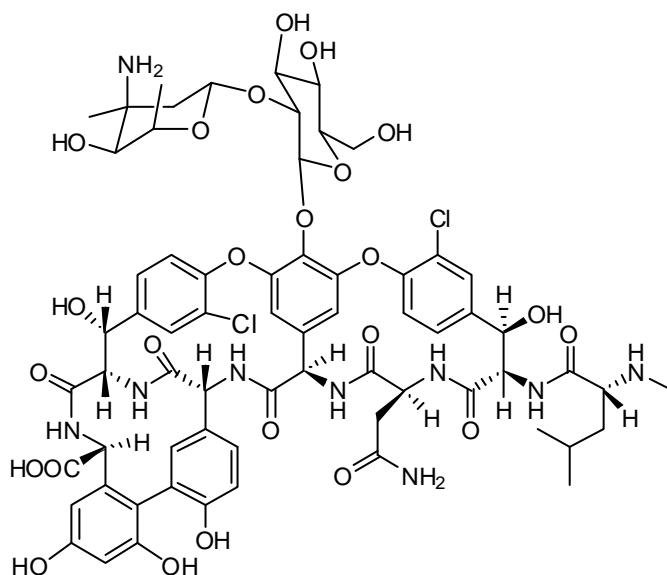
(Sarkomycin)



(Sarkomycin A)

- バンコマイシン

(Vancomycin)



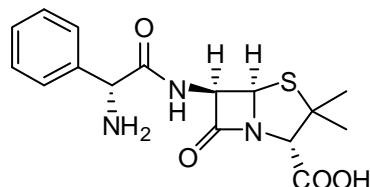
号の解説

(Subheading Explanatory notes.)

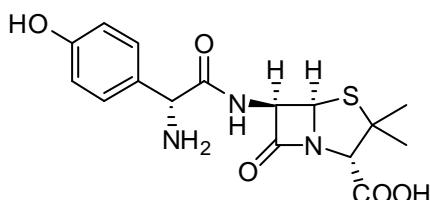
○ 第 2941.10 号

(Subheading 2941.10)

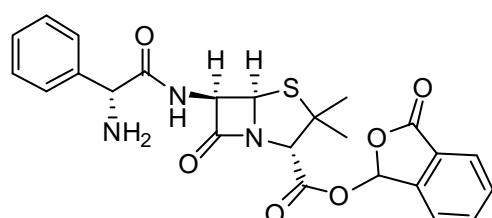
- アンピシリン (INN)
(Ampicillin (INN))



- アモキシシリン (INN)
(Amoxicillin (INN))



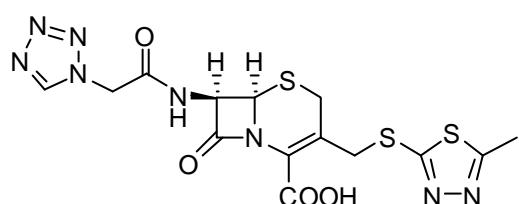
- タランピシリン (INN)
(Talampicillin (INN))



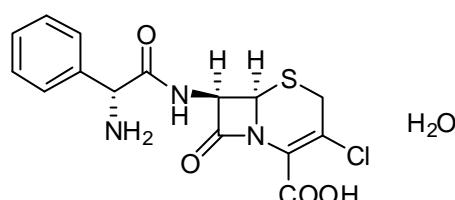
- 除外されるもの

(Exclusions)

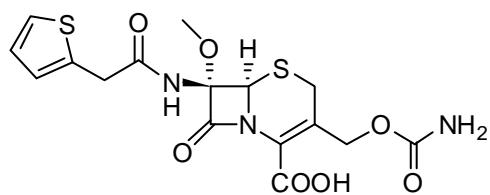
- セファゾリン (INN)
(Cefazolin (INN))



- セファクロル (INN)
(Cefaclor (INN))



- セフォキシチン (INN)
(Cefoxitin (INN))

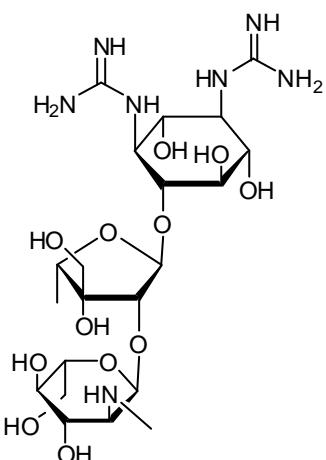


○ 第 2941.20 号

(Subheading 2941.20)

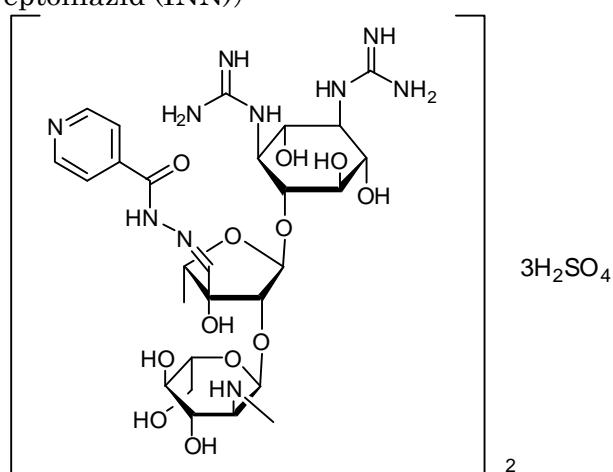
— ジヒドロストレプトマイシン (INN)

(Dihydrostreptomycin (INN))



— ストレプトニアジド (INN)

(Streptoniazid (INN))

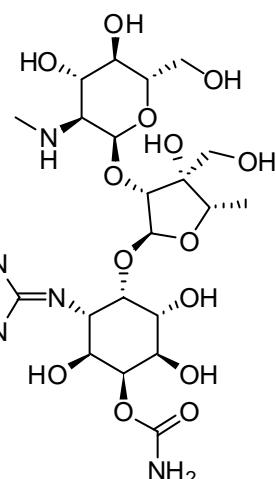


— 除外されるもの

(Exclusions)

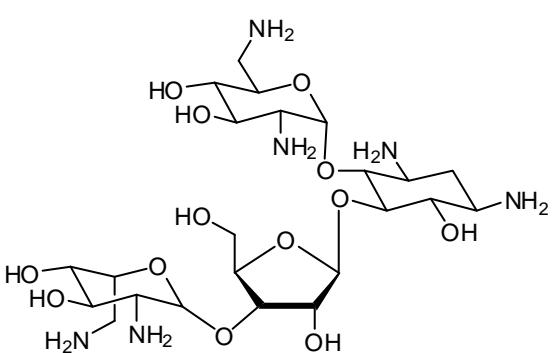
-- ブルエンソマイシン (INN)

(Bluensomycin (INN))



-- ネオマイシン (INN)

(Neomycin (INN))

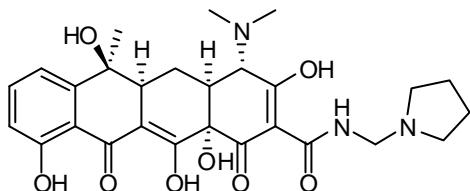


○ 第 2941.30 号

(Subheading 2941.30)

— ロリテトラサイクリン (INN)

(Rolutetraacycline (INN))

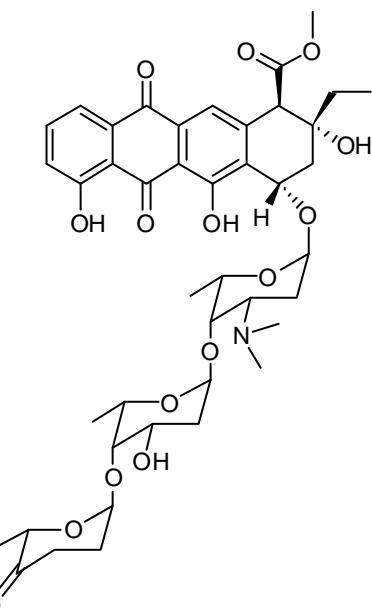


— 除外されるもの

(Exclusions)

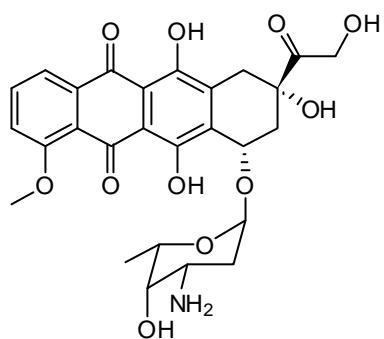
-- アクラルビシン (INN)

(Aclarubicin (INN))



-- ドキソルビシン (INN)

(Doxorubicin (INN))



○ 第 2941.40 号

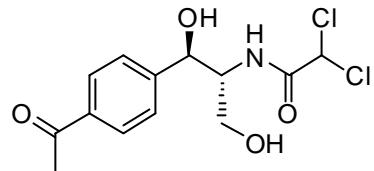
(Subheading 2941.40)

— 除外されるもの

(Exclusions)

-- セトフェニコール (INN)

(Cetofenicol (INN))

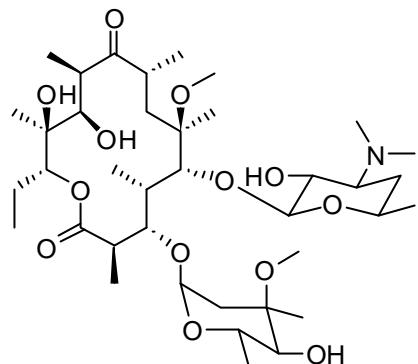


○ 第 2941.50 号

(Subheading 2941.50)

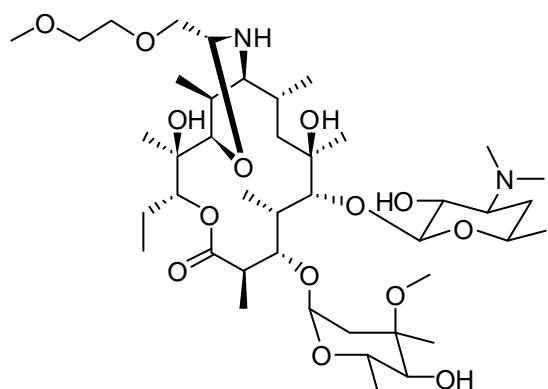
— クラリスロマイシン (INN)

(Clarithromycin (INN))



— ジリスロマイシン (INN)

(Dirithromycin (INN))

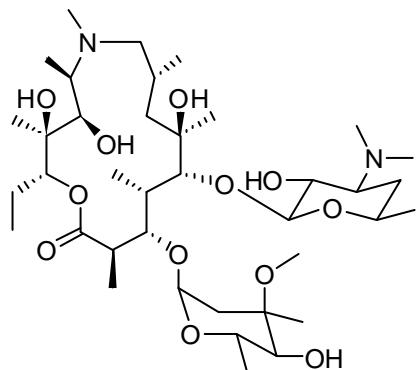


— 除外されるもの

(Exclusions)

-- アジスロマイシン (INN)

(Azithromycin (INN))



-- ピクロマイシン

(Picromycin)

