

29. 18 カルボン酸（他の酸素官能基を有するものに限る。）並びにその酸無水物、酸ハロゲン化物、酸過酸化物及び過酸並びにこれらのハロゲン化誘導体、スルホン化誘導体、ニトロ化誘導体及びニトロソ化誘導体

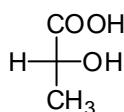
(Carboxylic acids with additional oxygen function and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.)

(A) アルコール官能のカルボン酸及びこれらのエステル、塩及びその他の誘導体

(Carboxylic acids with alcohol function and their esters, salts and other derivatives)

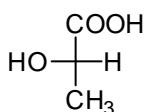
(1) 乳酸

(Lactic acid)



D-乳酸

(D-Lactic acid)



L-乳酸

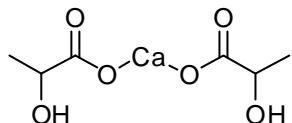
(L-Lactic acid)

・ 乳酸の塩

(Salts of lactic acid)

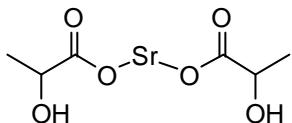
- 乳酸カルシウム

(Calcium lactate)



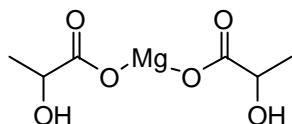
- 乳酸ストロンチウム

(Strontium lactate)



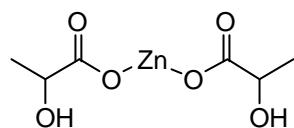
- 乳酸マグネシウム

(Magnesium lactate)



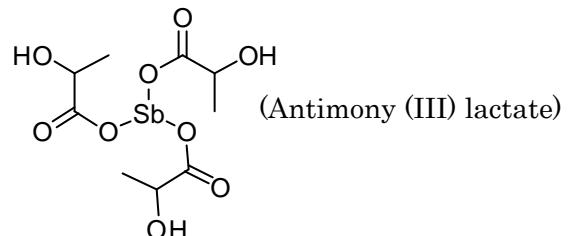
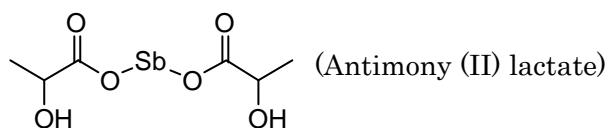
— 乳酸亜鉛

(Zinc lactate)



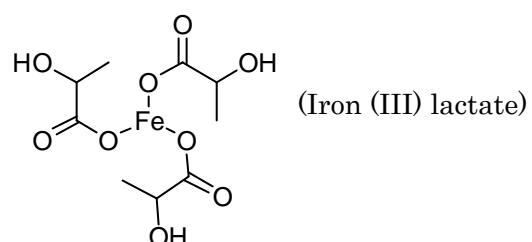
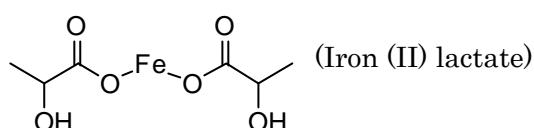
— 乳酸アンチモン

(Antimony lactates)



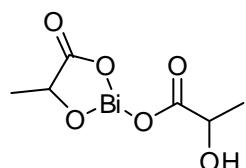
— 乳酸鉄

(Iron lactates)



— 乳酸ビスマス

(Bismuth lactate)

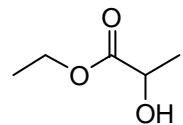


• 乳酸のエステル

(Esters of lactic acid)

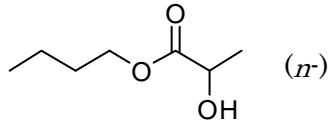
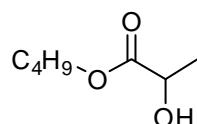
— 乳酸エチル

(Ethyl lactate)

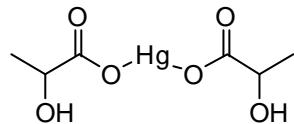


— 乳酸ブチル

(Butyl lactates)

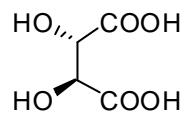
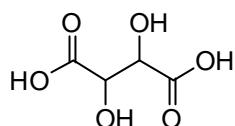
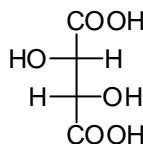


- 除外されるもの
(Exclusion)
 - 乳酸水銀（第 28.52 項）
(Mercury lactate (heading 28.52))



(2) 酒石酸

(Tartaric acid)



D-酒石酸

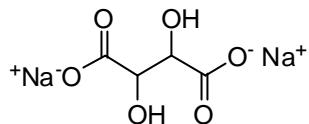
(D-Tartaric acid)

○ 酒石酸の塩

(Salts of tartaric acid)

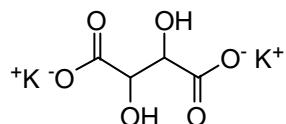
(a) 酒石酸ナトリウム

(Sodium tartrate)



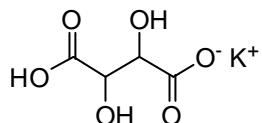
(b) 酒石酸カリウム

(Potassium tartrate)

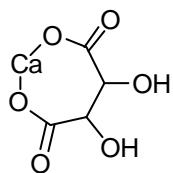


(c) 精製酒石酸水素カリウム (酒石英)

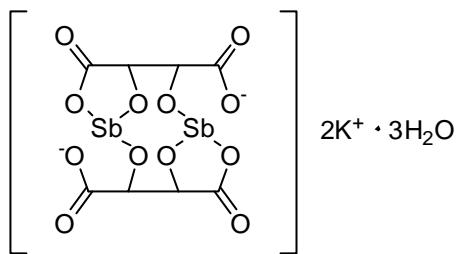
(Refined potassium hydrogen tartrate (cream of tartar))



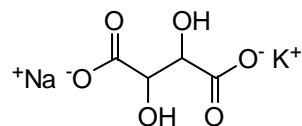
(d) 酒石酸カルシウム
(Calcium tartrate)



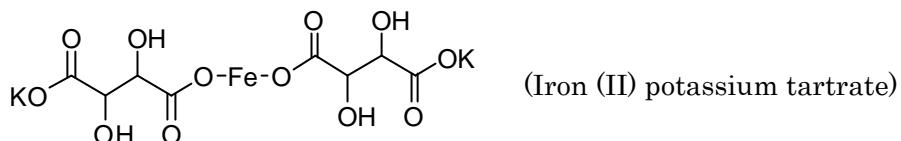
(e) 酒石酸カリウムアンチモン (吐酒石)
(Antimony potassium tartrate (emetic))



- 酒石酸カリウムナトリウム (セニエット塩)
(Sodium potassium tartrate (*sel de Seignette*))

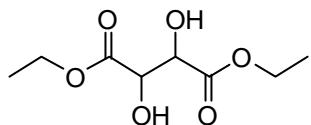


- 酒石酸鉄カリウム
(Iron potassium tartrate)



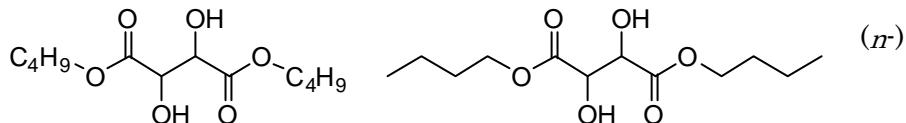
○ 酒石酸のエステル
(Esters of tartaric acid)

(i) 酒石酸エチル
(Ethyl tartrate)



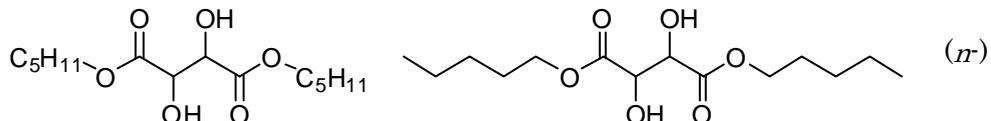
(ii) 酒石酸ブチル

(Butyl tartrates)



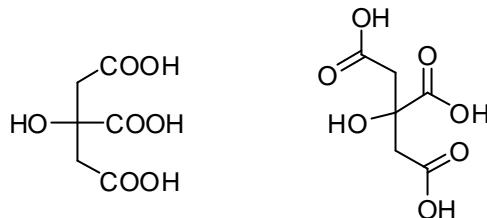
(iii) 酒石酸ペンチル

(Pentyl tartrates)



(3) くえん酸

(Citric acid)

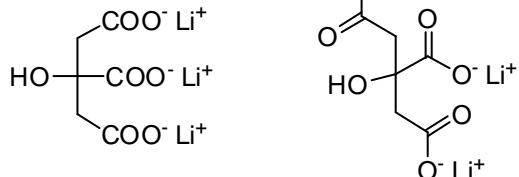


○ くえん酸の塩

(Salts of citric acid)

(a) くえん酸リチウム

(Lithium citrate)



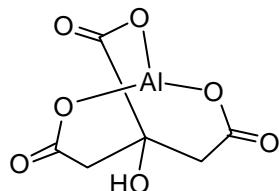
(b) くえん酸カルシウム

(Calcium citrate)



(c) くえん酸アルミニウム

(Aluminium citrate)



(d) クエン酸鉄

(Iron citrate)

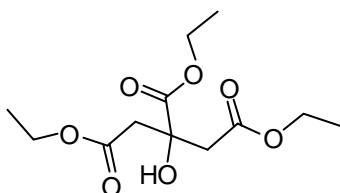


○ クエン酸のエステル

(Esters of citric acid)

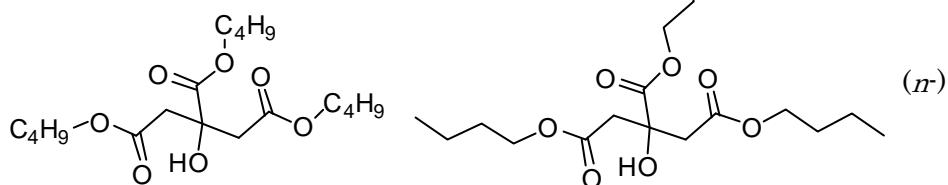
(i) クエン酸トリエチル

(Triethyl citrate)



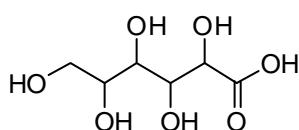
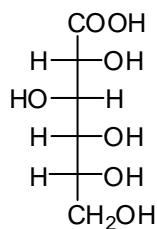
(ii) クエン酸トリブチル

(Tributyl citrates)



(4) グルコン酸

(Gluconic acid)



D-グルコン酸

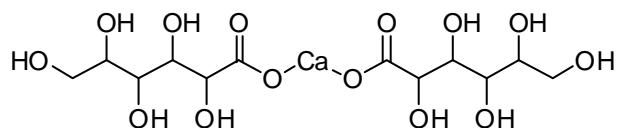
(D-Gluconic acid)

・ グルコン酸の塩

(Salt of gluconic acid)

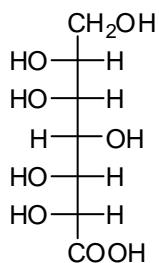
- グルコン酸カルシウム

(Calcium gluconate)



(5) グルコヘプトン酸

(Glucoheptonic acid)



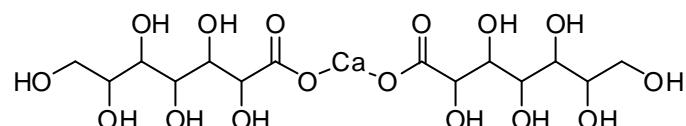
α -グルコヘプトン酸
(α -Glucoheptonic acid)

• グルコヘプトン酸の塩

(Salt of glucoheptonic acid)

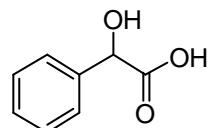
– グルコヘプトン酸カルシウム

(Calcium glucoheptonate)



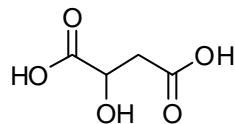
(6) フェニルグリコール酸 (マンデル酸)

(Phenylglycolic acid (mandelic acid))



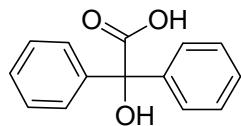
(7) りんご酸

(Malic acid)



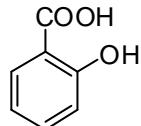
(8) 2,2-ジフェニル-2-ヒドロキシ酢酸 (ベンジル酸)

(2,2-Diphenyl-2-hydroxyacetic acid (benzilic acid))



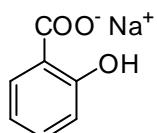
(B) フェノール官能のカルボン酸並びにそのエステル、塩及びその他の誘導体
 (Carboxylic acids with phenol function and their esters, salts and other derivatives)

(I) サリチル酸 (オルトヒドロキシ安息香酸)
 (Salicylic acid (ortho-hydroxybenzoic acid))

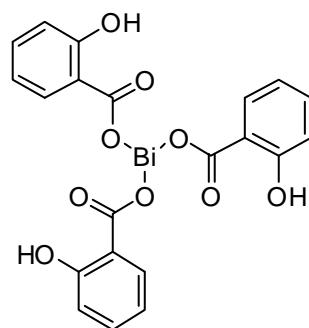
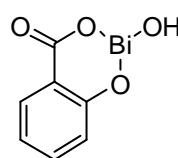
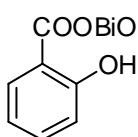


○ サリチル酸の塩
 (Salts of salicylic acid)

(a) サリチル酸ナトリウム
 (Sodium salicylate)

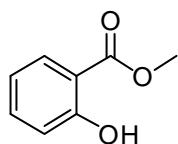


(b) サリチル酸ビスマス
 (Bismuth salicylate)

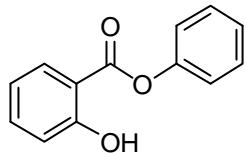


○ サリチル酸のエステル
 (Esters of salicylic acid)

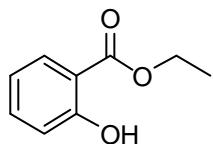
(a) サリチル酸メチル
 (Methyl salicylate)



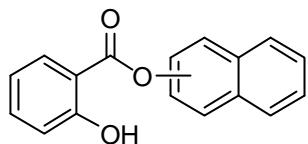
(b) サリチル酸フェニル (ザロール)
(Phenyl salicylate (salol))



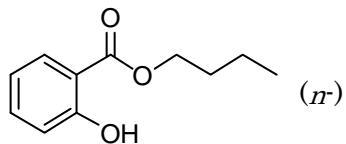
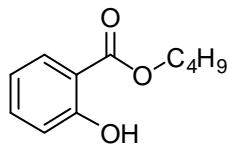
(c) サリチル酸エチル
(Ethyl salicylate)



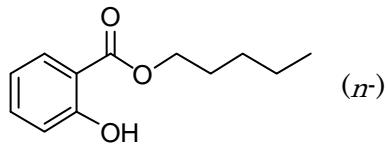
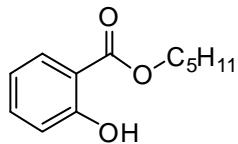
- サリチル酸ナフチル
(Naphthyl salicylates)



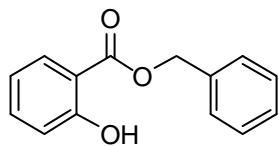
- サリチル酸ブチル
(Butyl salicylates)



- サリチル酸アミル
(Amyl salicylates)



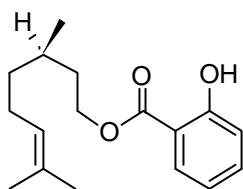
- ・ サリチル酸ベンジル
(Benzyl salicylate)



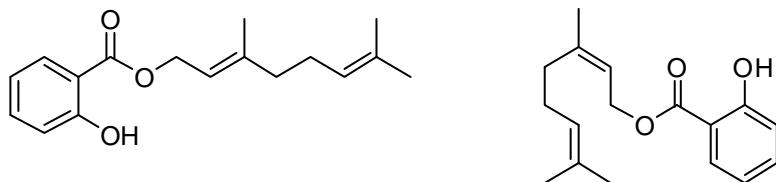
- ・ サリチル酸ボルニル
(Bornyl salicylate)



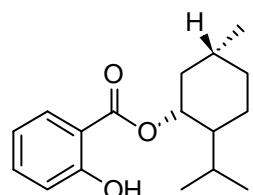
- ・ サリチル酸シトロネリル
(Citronellyl salicylate)



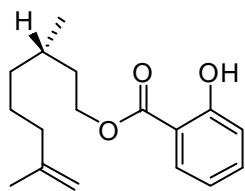
- ・ サリチル酸ゲラニル
(Geranyl salicylate)



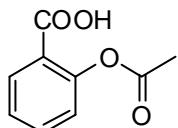
- ・ サリチル酸メンチル
(Menthyl salicylate)



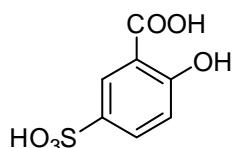
- ・ サリチル酸ロジニル
(Rhodinyl salicylate)



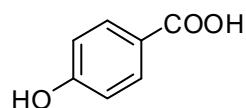
- (II) オルト-アセチルサリチル酸
(σ -Acetylsalicylic acid)



- (III) スルホサリチル酸 (サリチルスルホン酸)
(Sulphosalicylic acid (salicylsulphonic acid))

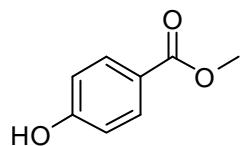


- (IV) パラ-ヒドロキシ安息香酸
(*p*-Hydroxybenzoic acid)

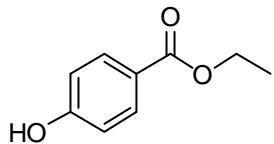


- パラ-ヒドロキシ安息香酸のエステル
(Esters of *p*-hydroxybenzoic acid)

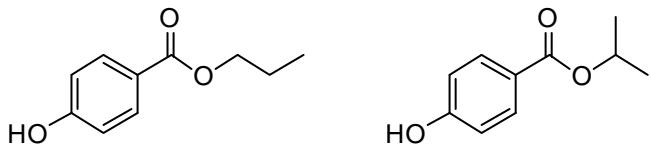
- (1) パラ-ヒドロキシ安息香酸メチル
(Methyl *p*-hydroxybenzoate)



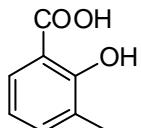
(2) パラ-ヒドロキシ安息香酸エチル
(Ethyl *p*-hydroxybenzoate)



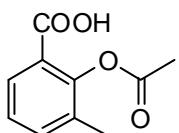
(3) パラ-ヒドロキシ安息香酸プロピル
(Propyl *p*-hydroxybenzoates)



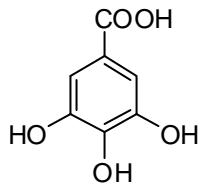
(V) オルト-クレゾチニ酸
(σ -Cresotic acid)



(VI) アセチル-オルト-クレゾチニ酸
(Acetyl- σ -cresotic acid)

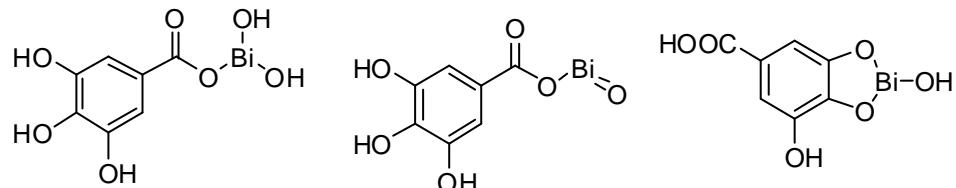


(VII) 没食子酸
(Gallic acid)

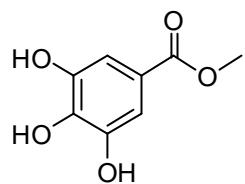


○ 没食子酸の塩及びエステル
 (Salts and esters of gallic acid)

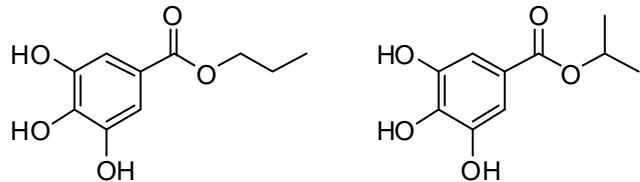
(1) 塩基性没食子酸ビスマス
 (Basic bismuth gallate)



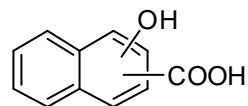
(2) 没食子酸メチル
 (Methyl gallate)



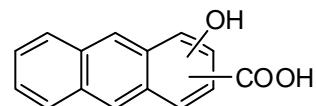
(3) 没食子酸プロピル
 (Propyl gallates)



(VIII) ヒドロキシナフトエ酸
 (Hydroxynaphthoic acids)

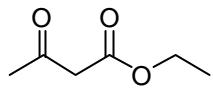


(IX) ヒドロキシアントラセンカルボン酸
 (Hydroxyanthracenecarboxylic acids)



(C) アルデヒド官能又はケトン官能のカルボン酸及びこれらのエステル、塩及びその他の誘導体
(Carboxylic acids with aldehyde or ketone function and their esters, salts and other derivatives)

- アセト酢酸エチル
(Ethyl aceto-acetate)



(D) その他の酸素官能基を有するカルボン酸及びこれらのエステル、塩その他の誘導体
(Other carboxylic acids with additional oxygen function and their esters, salts and other derivatives)

- アニス酸
(Anisic acid)

