

29. 15 飽和非環式モノカルボン酸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

(Saturated acyclic monocarboxylic acids and their anhydrides, halides, peroxides and peroxyacids; their halogenated, sulphonated, nitrated or nitrosated derivatives.)

(I) ぎ酸並びにその塩及びエステル

(Formic acid and its salts and esters)

(a) ぎ酸

(Formic acid)

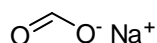


(b) ぎ酸の主な塩

(The main salts of formic acid)

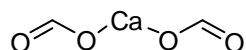
(1) ぎ酸ナトリウム

(Sodium formate)



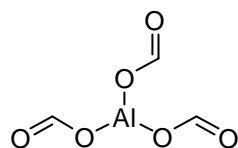
(2) ぎ酸カルシウム

(Calcium formate)



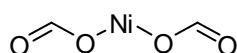
(3) ぎ酸アルミニウム

(Aluminium formate)



(4) ぎ酸ニッケル

(Nickel formate)

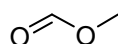


(c) ぎ酸の主なエステル

(The main esters of formic acid)

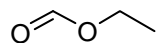
(1) ぎ酸メチル

(Methyl formate)



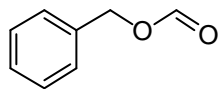
(2) ぎ酸エチル

(Ethyl formate)



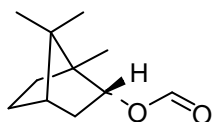
(3) ぎ酸ベンジル

(Benzyl formate)



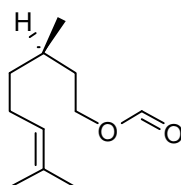
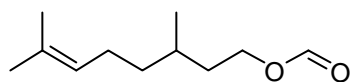
• ぎ酸ボルニル

(Bornyl formate)



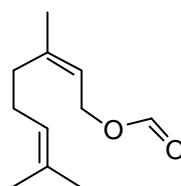
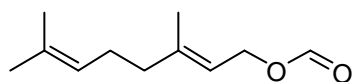
• ぎ酸シトロネリル

(Citronellyl formate)



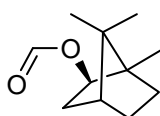
• ぎ酸ゲラニル

(Geranyl formate)

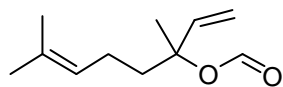


• ぎ酸イソボルニル

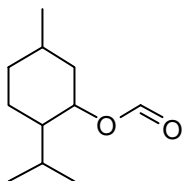
(Isobornyl formate)



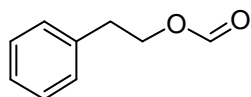
- ぎ酸リナリル
(Linalyl formate)



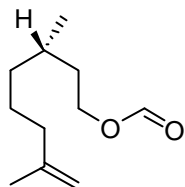
- ぎ酸メンチル
(Menthyl formate)



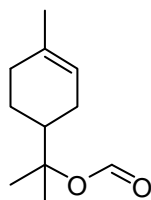
- ぎ酸フェニルエチル
(Phenylethyl formate)



- ぎ酸ロジニル
(Rhodinyl formate)



- ぎ酸テルペニル
(Terpenyl formate)

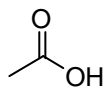


(II) 酢酸及びその塩及びエステル

(Acetic acid and its salts and esters)

(a) 酢酸

(Acetic acid)

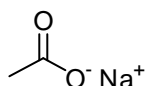


(b) 酢酸の主な塩

(The main salts of acetic acid)

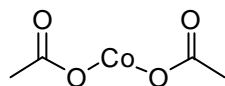
(1) 酢酸ナトリウム

(Sodium acetate)



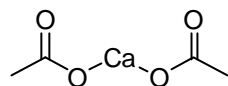
(2) 酢酸コバルト

(Cobalt acetate)



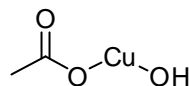
(3) 酢酸カルシウム

(Calcium acetate)



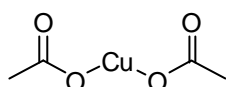
(4) 塩基性酢酸銅 (II)

(Basic copper acetate)



(5) 中性酢酸銅 (II)

(Neutral copper acetate)

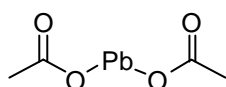


(6) 酢酸鉛

(Lead acetate)

— 中性塩

(Neutral lead acetate)



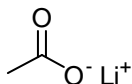
— 塩基性塩

(Basic lead acetate)

eg. $\text{Pb}(\text{CH}_3\text{CO}_2)_2 \cdot \text{PbO} \cdot 3\text{H}_2\text{O}$, $\text{Pb}(\text{CH}_3\text{CO}_2)_2 \cdot 2\text{PbO} \cdot 4\text{H}_2\text{O}$

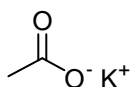
(7) 酢酸リチウム

(Lithium acetate)



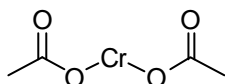
• 酢酸カリウム

(Potassium acetate)



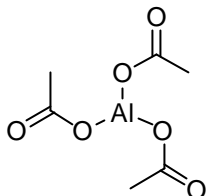
• 酢酸クロム

(Chromium acetate)



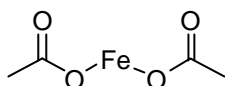
• 酢酸アルミニウム

(Aluminium acetate)



• 酢酸鉄 (II)

(Iron (II) acetate)

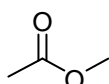


(c) 酢酸の主なエステル

(The main esters of acetic acid)

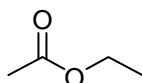
(1) 酢酸メチル

(Methyl acetate)



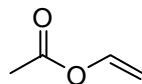
(2) 酢酸エチル

(Ethyl acetate)



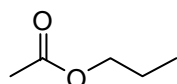
(3) 酢酸ビニル

(Vinyl acetate)



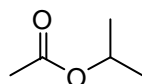
(4) 酢酸ノルマル-プロピル

(*n*-Propyl acetate)



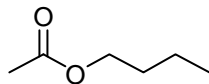
・ 酢酸イソプロピル

(Isopropyl acetate)



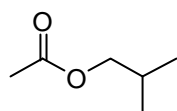
(5) 酢酸ノルマル-ブチル

(*n*-Butyl acetate)



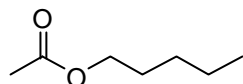
(6) 酢酸イソブチル

(Isobutyl acetate)



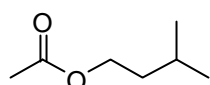
(7) 酢酸ノルマル-ペンチル (酢酸ノルマル-アミル)

(*n*-Pentyl acetate (*n*-amyl acetate))

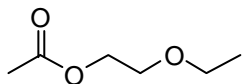


・ 酢酸 3-メチルブチル (酢酸イソアミル)

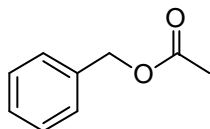
(3-Methylbutyl acetate (isoamyl acetate))



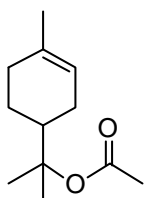
- (8) 酢酸-2-エトキシエチル
(2-Ethoxyethyl acetate)



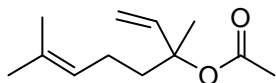
- (9) 酢酸ベンジル
(Benzyl acetate)



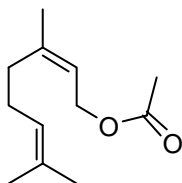
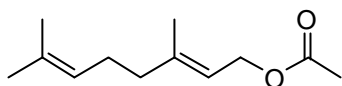
- ・ 酢酸テルペニル
(Terpenyl acetate)



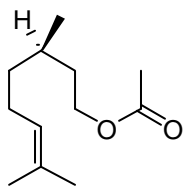
- ・ 酢酸リナリル
(Linalyl acetate)



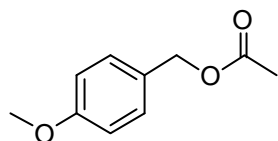
- ・ 酢酸ゲラニル
(Geranyl acetate)



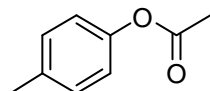
- ・ 酢酸シトロネリル
(Citronellyl acetate)



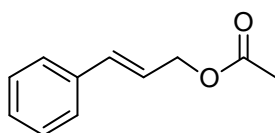
- ・ 酢酸アニシル
(Anisyl acetate)



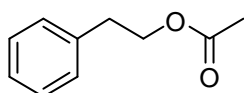
- ・ 酢酸パラトリル
(Paratolyl acetate)



- ・ 酢酸シンナミル
(Cinnamyl acetate)

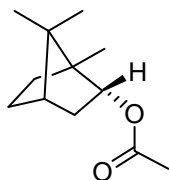


- ・ 酢酸フェニルエチル
(Phenylethyl acetate)

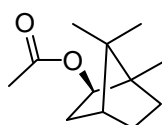


(β -Phenylethyl acetate)

- ・ 酢酸ボルニル
(Bornyl acetate)

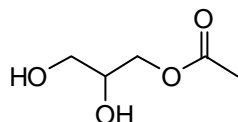


- ・ 酢酸イソボルニル
(Isobornyl acetate)

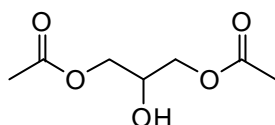


(10) グリセリン酢酸エステル
(Glycerol acetates)

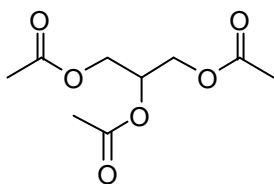
- モノアセチン
(Mono acetins)



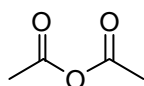
- ジアセチン
(Diacetins)



- トリアセチン
(Triacetin)

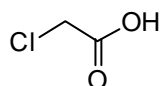


- 無水酢酸
(Acetic anhydride)

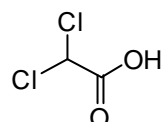


(III) モノクロロ酢酸、ジクロロ酢酸及びトリクロロ酢酸並びにこれらの塩及びエステル
(Mono-, di- and trichloroacetic acids and their salts and esters)

- (a) モノクロロ酢酸
(Monochloroacetic acid)

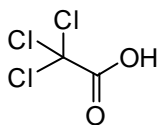


- (b) ジクロロ酢酸
(Dichloroacetic acid)



(c) トリクロロ酢酸

(Trichloroacetic acid)

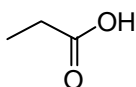


(IV) プロピオン酸並びにその塩及びエステル

(Propionic acid and its salts and esters)

ー プロピオン酸

(Propionic acid)

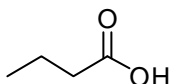


(V) ブタン酸並びにその塩及びエステル

(Butanoic acids and their salts and esters)

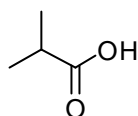
(a) 酪酸 (ブタン酸)

(*n*-Butyric acid (butanoic acid))



(b) イソ酪酸 (2-メチルプロパン酸)

(Isobutyric acid (2-methylpropanoic acid))

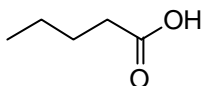


(VI) ペンタン酸並びにその塩及びエステル

(Pentanoic acids and their salts and esters)

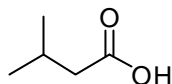
(a) 吉草酸 (ペンタン酸)

(Valeric acid (pentanoic acid))

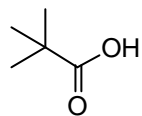


(b) イソ吉草酸 (3-メチルブタン酸)

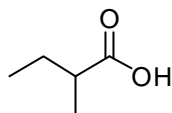
(Isovaleric acid (3-methylbutanoic acid))



- (c) ピババル酸 (2,2-ジメチルプロパン酸)
(Pivalic acid (2,2-dimethylpropanoic acid))

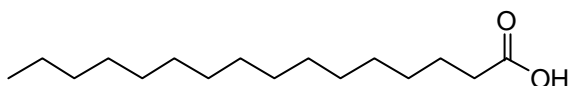


- (d) 2-メチルブタン酸
(2-Methylbutanoic acid)



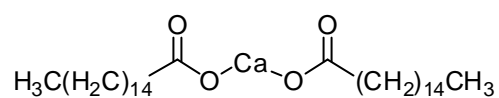
- (VII) パルミチン酸並びにその塩及びエステル
(Palmitic acid and its salts and esters)

- (a) パルミチン酸
(Palmitic acid)

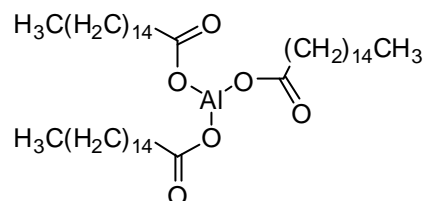


- (b) パルミチン酸の主な塩
(Main salts of palmitic acid)

- (1) パルミチン酸カルシウム
(Calcium palmitate)

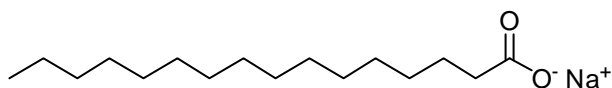


- (2) パルミチン酸アルミニウム
(Aluminium palmitate)

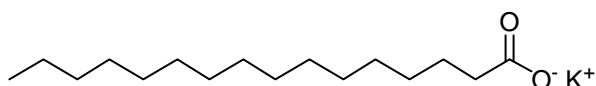


○ 水溶性のパルミチン酸塩
(Water-soluble salts of palmitic acid)

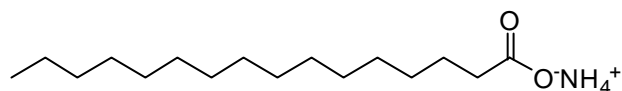
- ー パルミチン酸ナトリウム
(Sodium palmitate)



- ー パルミチン酸カリウム
(Potassium palmitate)

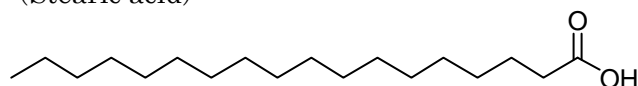


- ー パルミチン酸アンモニウム
(Ammonium palmitate)



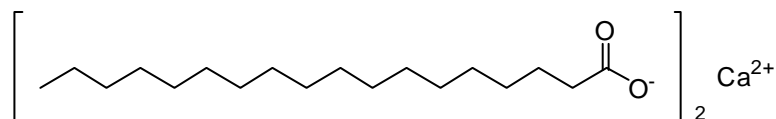
(VIII) ステアリン酸並びにその塩及びエステル
(Stearic acid and its salts and esters)

- (a) ステアリン酸
(Stearic acid)

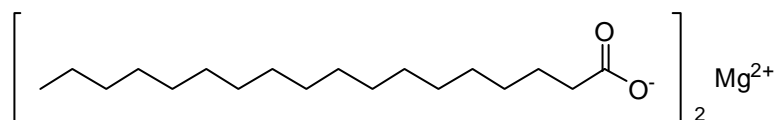


- (b) ステアリン酸の主な塩
(Main salts of stearic acid)

- (1) ステアリン酸カルシウム
(Calcium stearate)

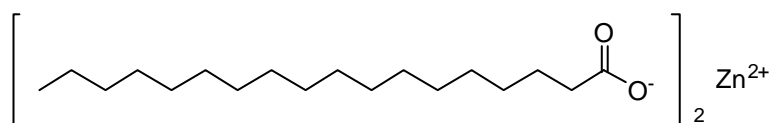


- (2) ステアリン酸マグネシウム
(Magnesium stearate)



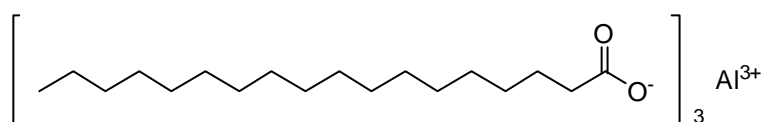
(3) ステアリン酸亜鉛

(Zinc stearate)



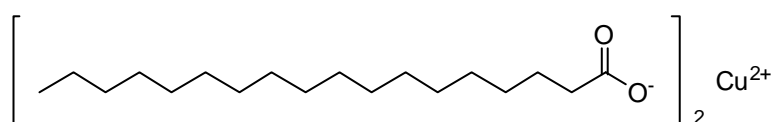
(4) ステアリン酸アルミニウム

(Aluminium stearate)



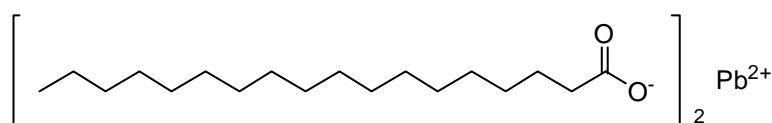
(5) ステアリン酸銅 (II)

(Copper (II) stearate)



(6) ステアリン酸鉛

(Lead stearate)

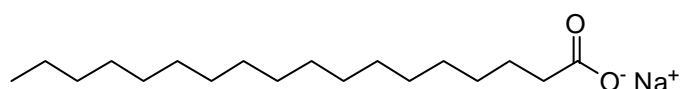


○ 水溶性のステアリン酸塩

(Water-soluble salts of stearic acid)

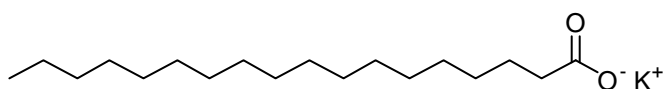
ー ステアリン酸ナトリウム

(Sodium stearate)



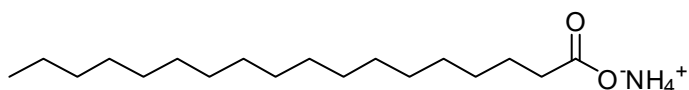
ー ステアリン酸カリウム

(Potassium stearate)



ー ステアリン酸アンモニウム

(Ammonium stearate)

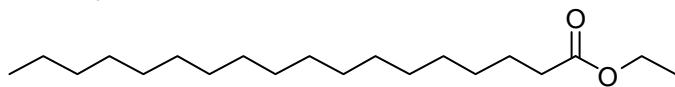


(c) エステル

(Esters of stearic acid)

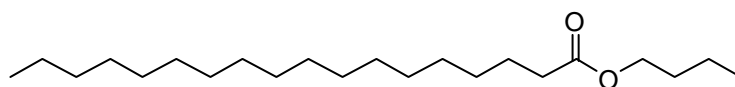
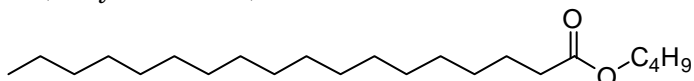
- ステアリン酸エチル

(Ethyl stearate)



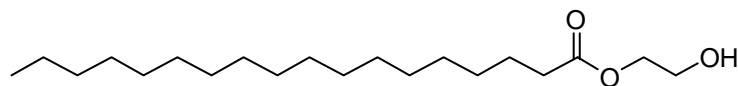
- ステアリン酸ブチル

(Butyl stearates)

*n*-Butyl stearate)

- ステアリン酸グリコール

(Glycol stearate)

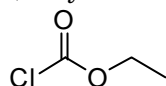


(IX) この項のその他の物品

(Other products of this heading include:)

(a) クロロギ酸エチル

(Ethyl chloroformate)



(b) 塩化アセチル

(Acetyl chloride)



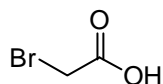
(c) 臭化アセチル

(Acetyl bromide)



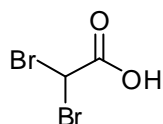
(d) モノブロモ酢酸

(Monobromoacetic acid)



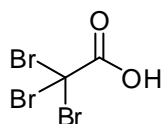
• ジブロモ酢酸

(Dibromoacetic acid)



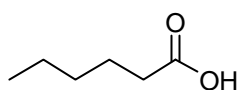
• トリブロモ酢酸

(Tribromoacetic acid)



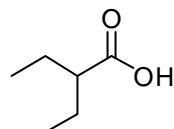
(e) ノルマル-ヘキサン酸 (カプロン酸)

(*n*-Hexoic acid (caproic acid))



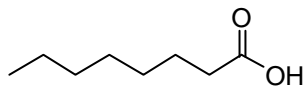
• 2-エチル酪酸

(2-Ethylbutyric acid)



(f) ノルマル-オクタン酸 (カプリル酸)

(*n*-Octoic acid (caprylic acid))



• 2-エチルヘキサン酸

(2-Ethylhexoic acid)

