

# イアトロスキャン分析法

9

イアトロスキャンによる異性体・誘導体分析

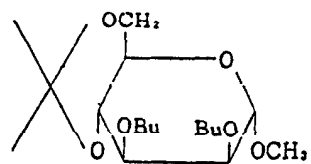
データ集

IATROSCAN Instrument Application

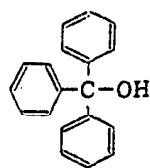
No. 9

*Separation of the isomers and derivatives*

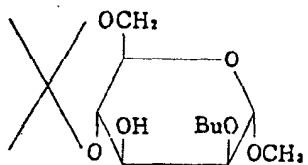
	頁		頁
Androsterone	4	Estriol	9
Bromvalerylurea	5	Estrone	9
Caffeine	5	Ethenzamide	5
Chlorpheniramine maleate	5	Etiocholanolone	4
Cholesterol	3	Gitoxigenin	1
$\beta$ -Cortolone	10	Gitoxin	1
Coumalic acid	7	Hydrocortisone	10
m-Coumalic acid	7	12-Hydroxy dodecanoic acid	11
p-Coumalic acid	7	dl-Methionine	8
Coumarin	7	dl-Methionine ethylate	8
Cyano-m-phenoxy benzyl alcohol	7	dl-Methylephedrine hydrochloride	5
Dehydroepiandrosterone	4	Nicotinamide	9
Diethyl phthalate	11	Nicotinic acid	9
Digitoxigenin	1	Noscapine	5
Digitoxin	1	Phenacetin	5
Digoxigenin	1	m-Phenoxy benzaldehyde	7
Digoxin	1	Quinidine sulphate	2
Dimethyl phthalate	11	Quinine hydrochloride	2
Diethyl phthalate	11	Quinolinic acid	9
Dioxyprostaglandin Me	2	Tetrahydrocortisol	10
Disyston	6	Tocol	10
Disyston sulfone	6	$\alpha$ -Tocopherol	10
Disyston sulfoxide	6	$\beta$ -Tocopherol	10
Dodecanedioic acid	11	$\gamma$ -Tocopherol	10
Epicholesterol	3	$\delta$ -Tocopherol	10
Estradiol	9	Trigonelline	9



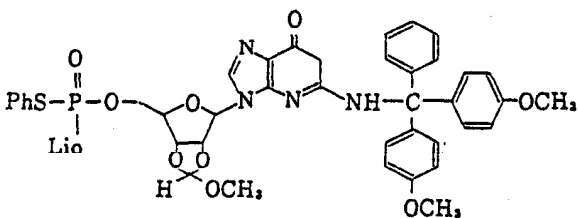
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8

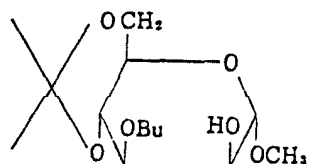


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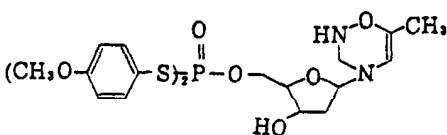
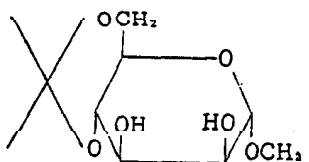


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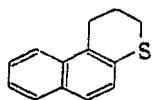
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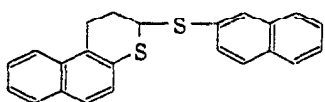
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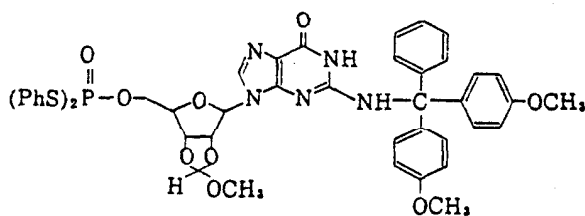
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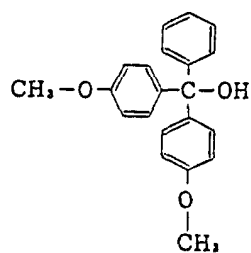
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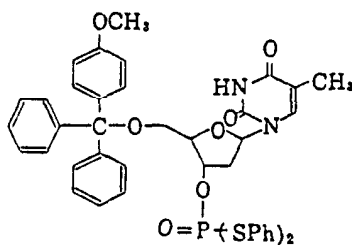
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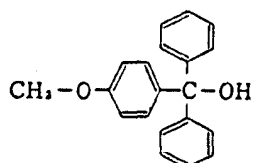
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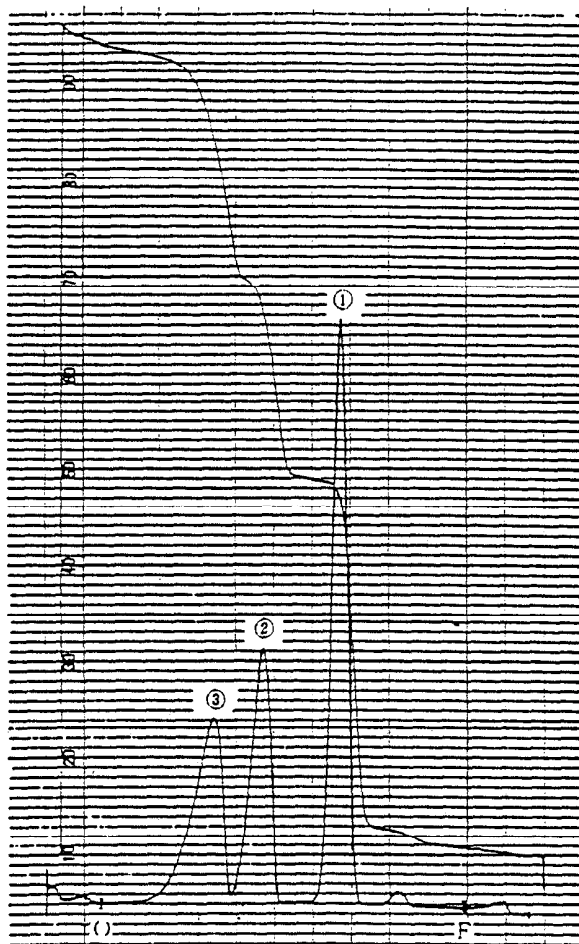
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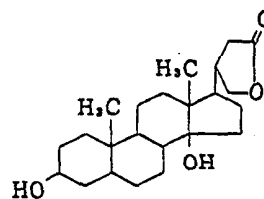


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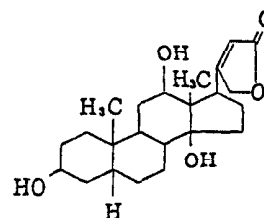


Component :

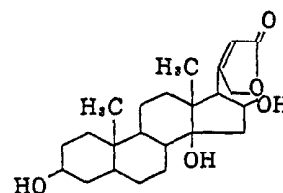
1. Digitoxigenin



2. Digoxigenin

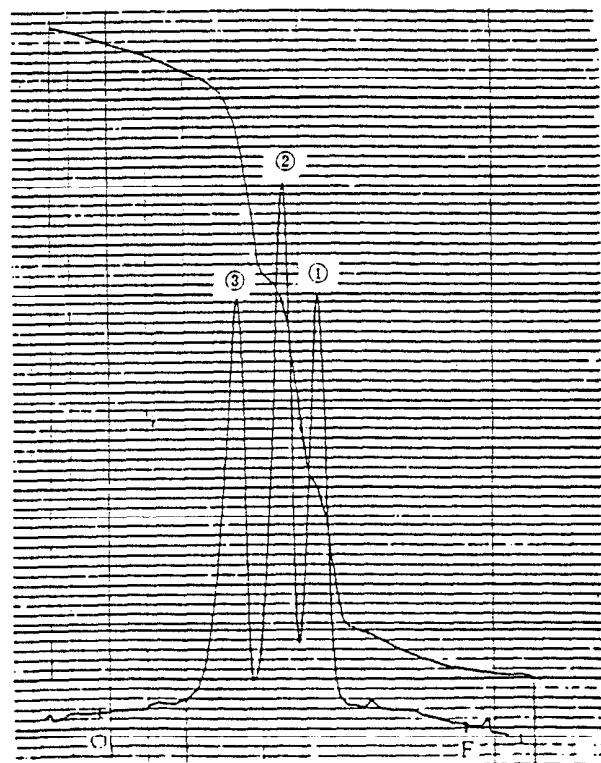


3. Gitoxigenin



Stationary phase : CHROMAROD-S II

Mobile phase : Ethylacetate : Acetone  
3 : 1



Component :

1. Digitoxin

2. Gitoxin

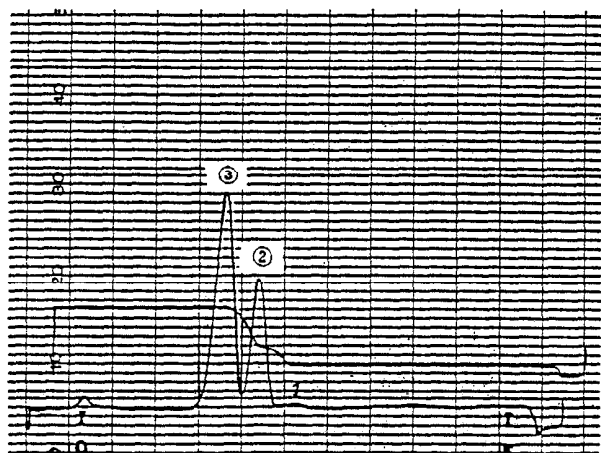
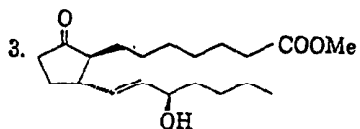
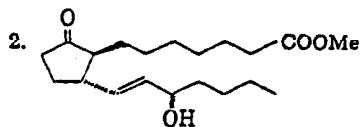
3. Digoxin

Stationary phase : CHROMAROD-S II

Mobile phase : Chloroform : Methanol : Water  
90 : 10 : 1

Component :

Dioxyprostaglandin Me

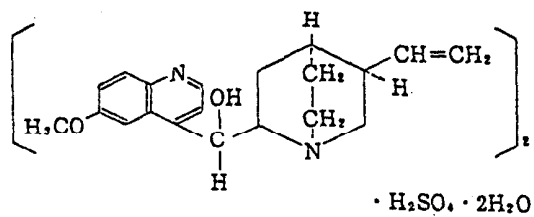


Stationary phase : CHROMAROD-S II

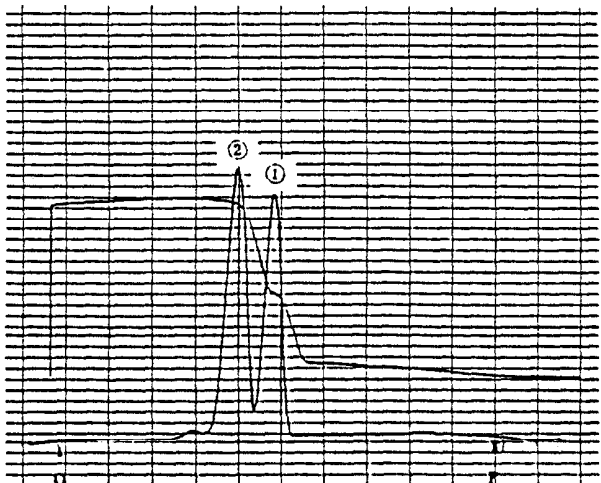
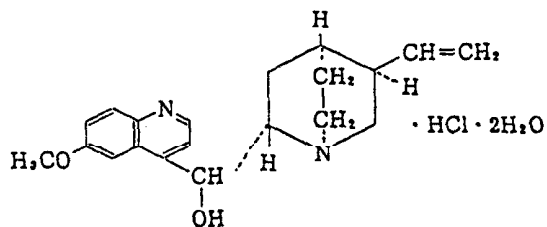
Mobile phase : n-Hexane : Ethylether (2回展開)  
1 : 1

Component :

1. Quinidine sulphate

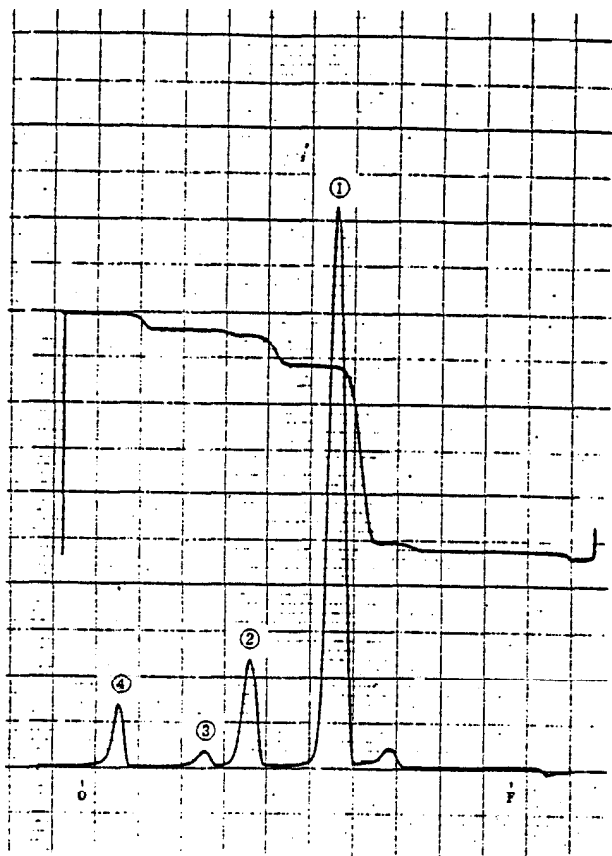


2. Quinine hydrochloride

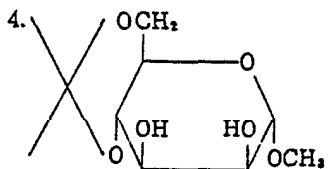
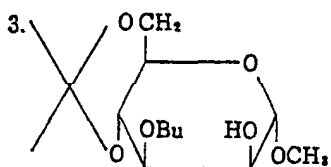
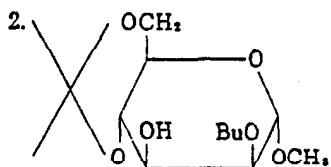
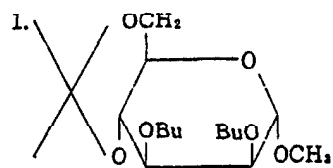


Stationary phase : CHROMAROD-S II

Mobile phase : Ethylacetate : Acetone : Ammonia water  
30 : 15 : 1



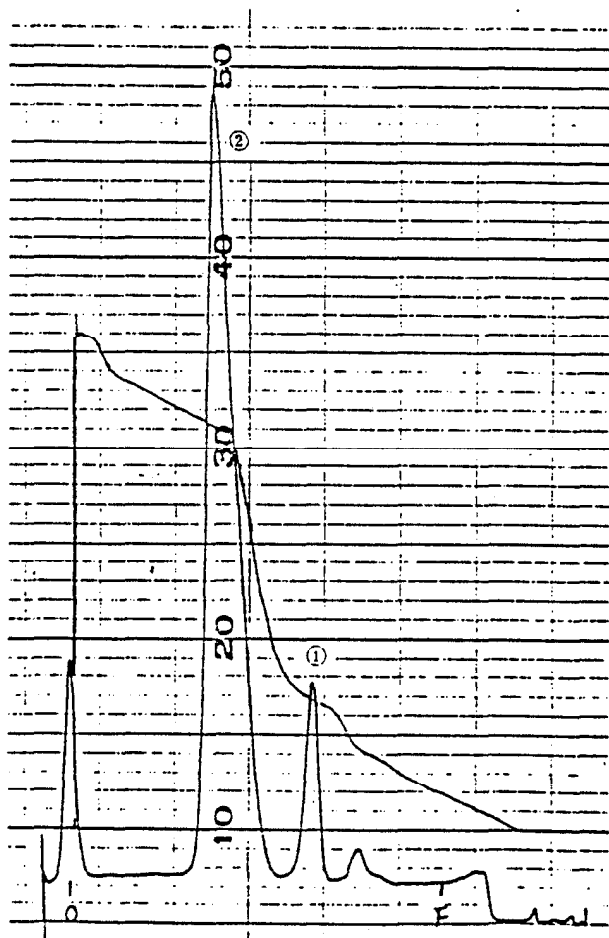
Component :



Bu : CH<sub>2</sub>Ph

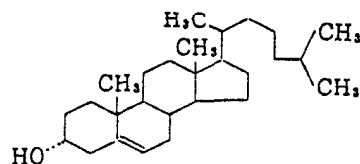
Stationary phase : CHROMAROD-SII

Mobile phase : Benzene : Acetone  
50 : 1

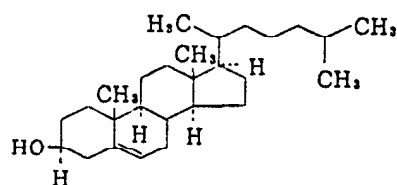


Component :

1. Epicholesterol



2. Cholesterol

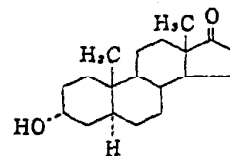


Stationary phase : CHROMAROD-A

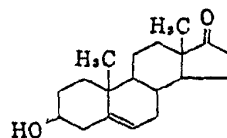
Mobile phase : Benzene : Chloroform  
2 : 1

Component :

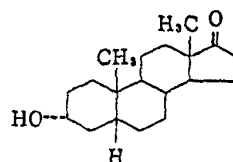
1. Androsterone



1. Dehydroepiandrosterone

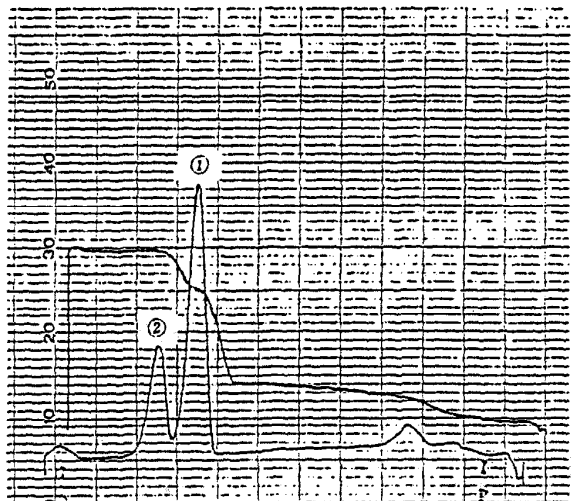


2. Etiocholanolone



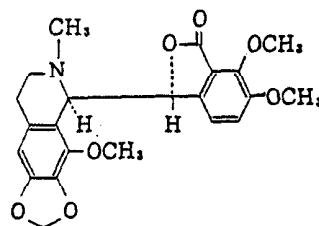
Stationary phase : CHROMAROD-S II

Mobile phase : Isopropylether

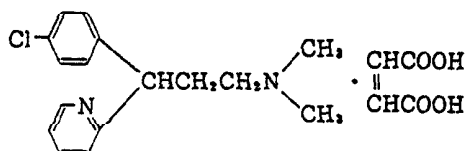


Component :

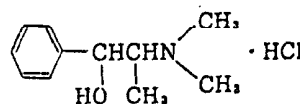
1. Noscapine



2. Chlorpheniramine maleate



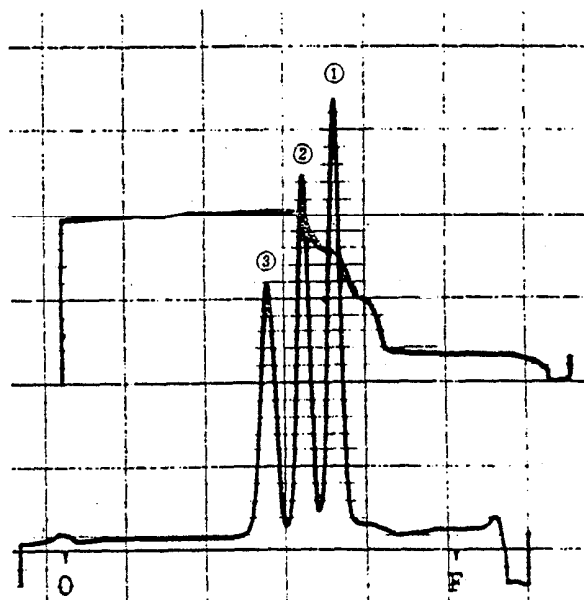
3. dl-Methylephedrine hydrochloride



Stationary phase : CHROMAROD-S II

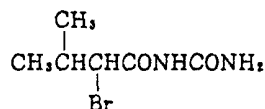
Mobile phase : Chloroform : Acetone : Methanol  
30 : 30 : 1.5

: Ammonia water  
: 1.2

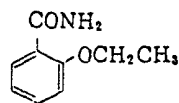


Component :

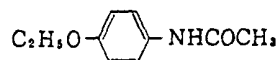
1. Bromvalerylurea



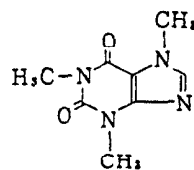
2. Ethenzamide



3. Phenacetin

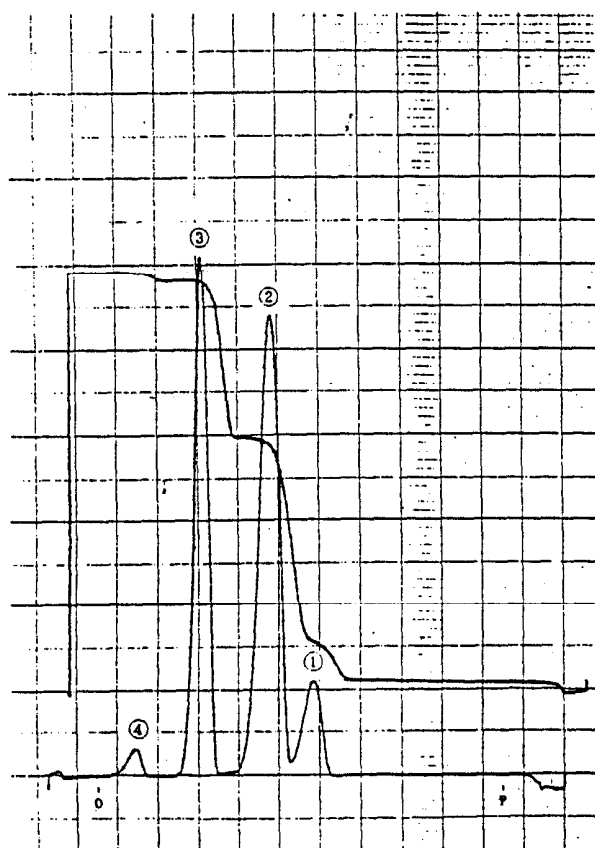


4. Caffeine

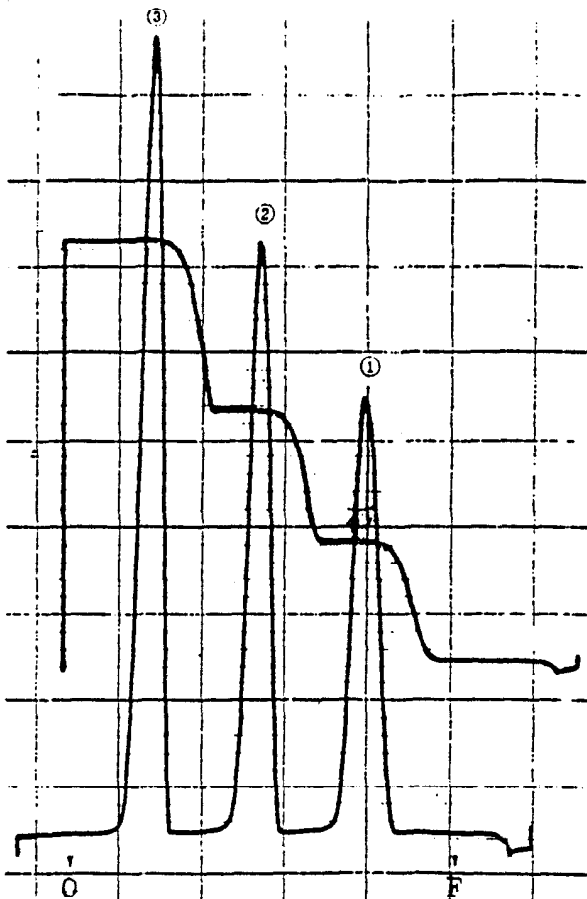


Stationary phase : CHROMAROD-S II

Mobile phase : Benzene : Ethylether : Acetic acid  
42 : 16 : 1

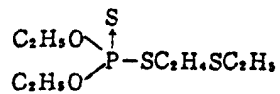




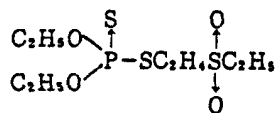


Component :

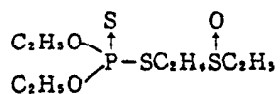
1. Disyston



2. Disyston sulfone

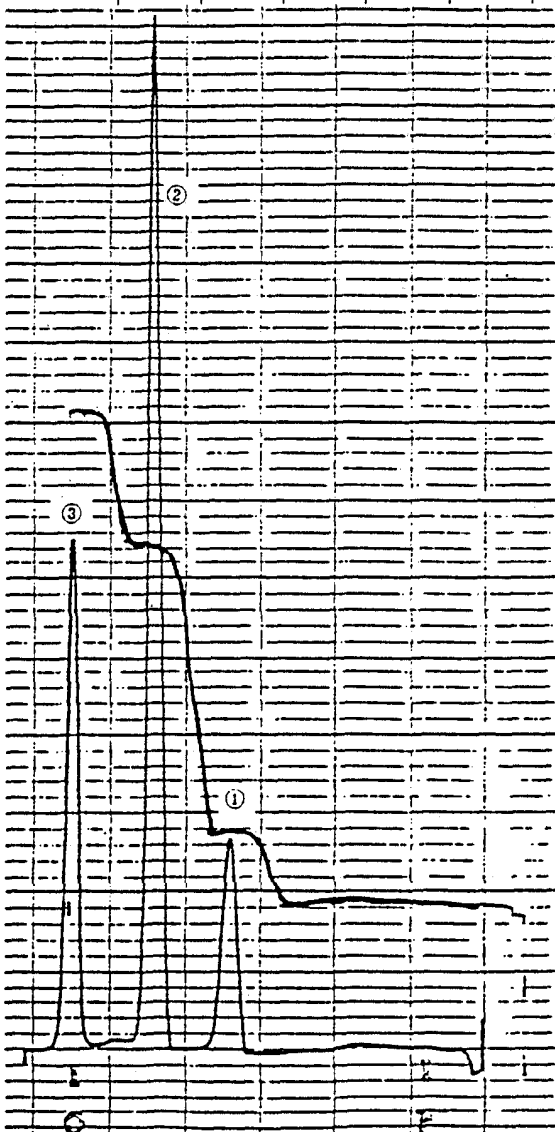


3. Disyston sulfoxide



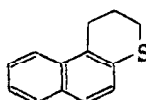
Stationary phase : CHROMAROD-S II

Mobile phase : Hexane : Acetone  
75 : 25

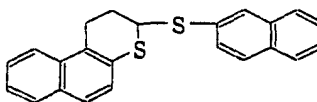


Component :

1.



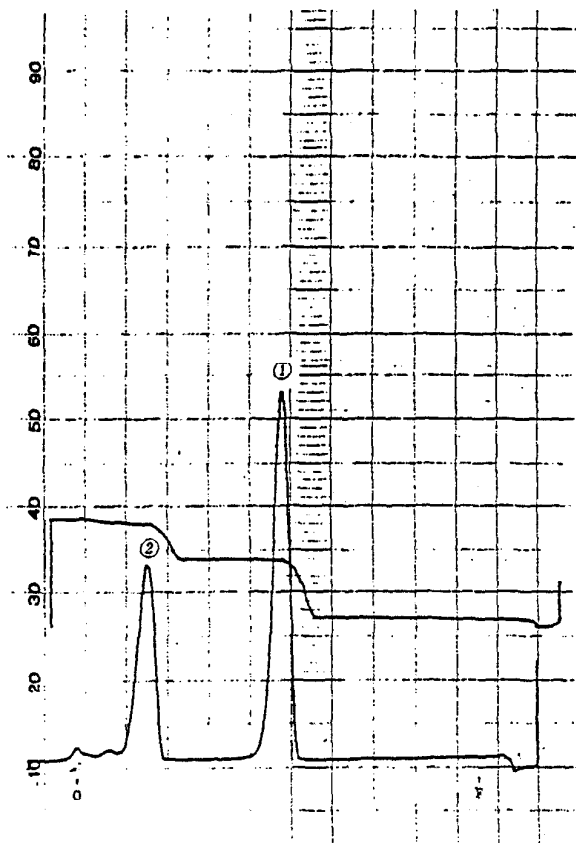
2.



3. Unknown

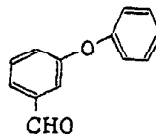
Stationary phase : CHROMAROD-S II

Mobile phase : Hexane : Toluene  
5 : 1

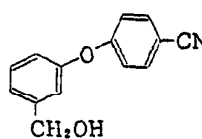


Component :

1. m-Phenoxy benzaldehyde



2. Cyano-m-phenoxy benzyl alcohol

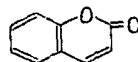


Stationary phase : CHROMAROD-S II

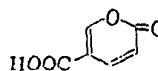
Mobile phase : Benzene

Component :

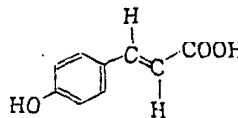
1. Coumarin



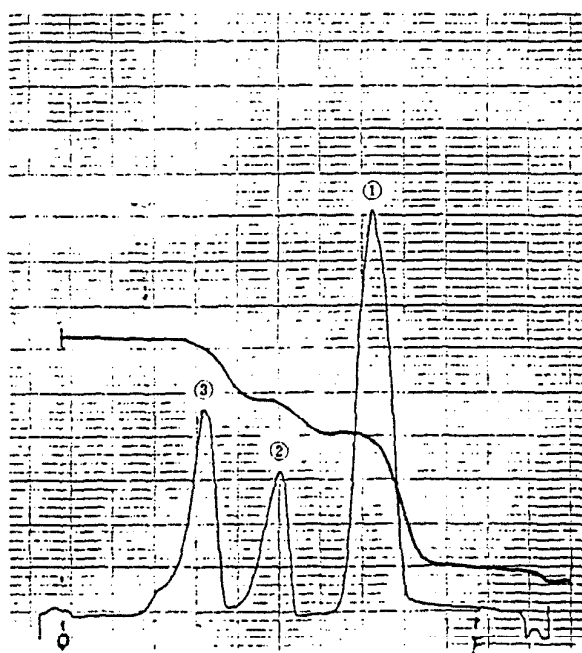
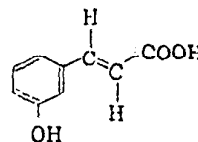
2. Coumalic acid



3. p-Coumaric acid

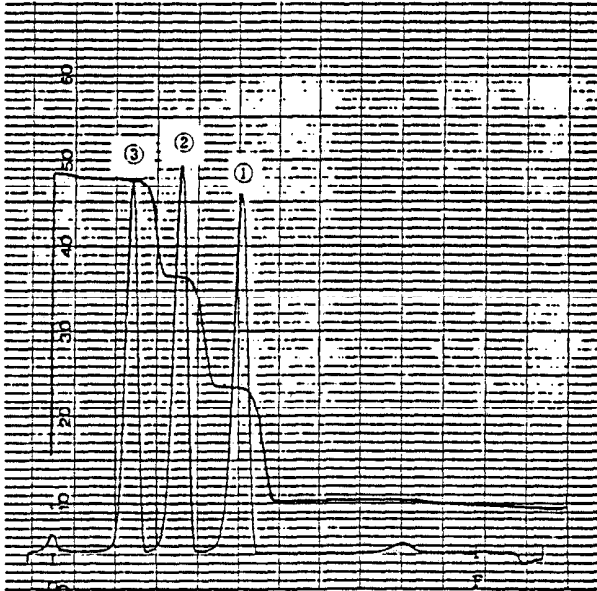


3. m-Coumaric acid



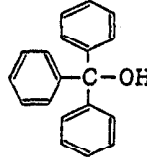
Stationary phase : CHROMAROD-S II

Mobile phase : Chloroform : Methanol : Formic acid  
50 : 2 : 0.3

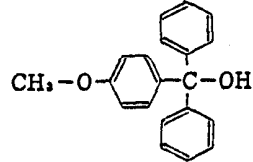


Component :

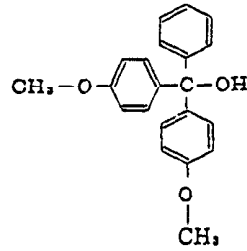
1.



2.

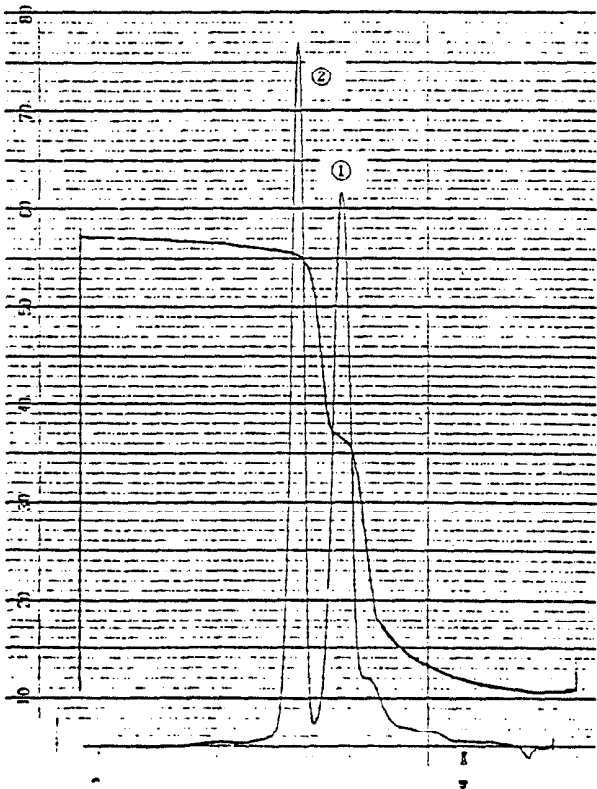


3.



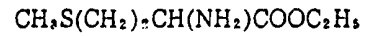
Stationary phase : CHROMAROD-S II

Mobile phase : Hexane : Ethylether  
22 : 3

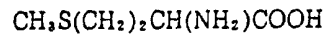


Component :

1. D.L-Methionine ethylate

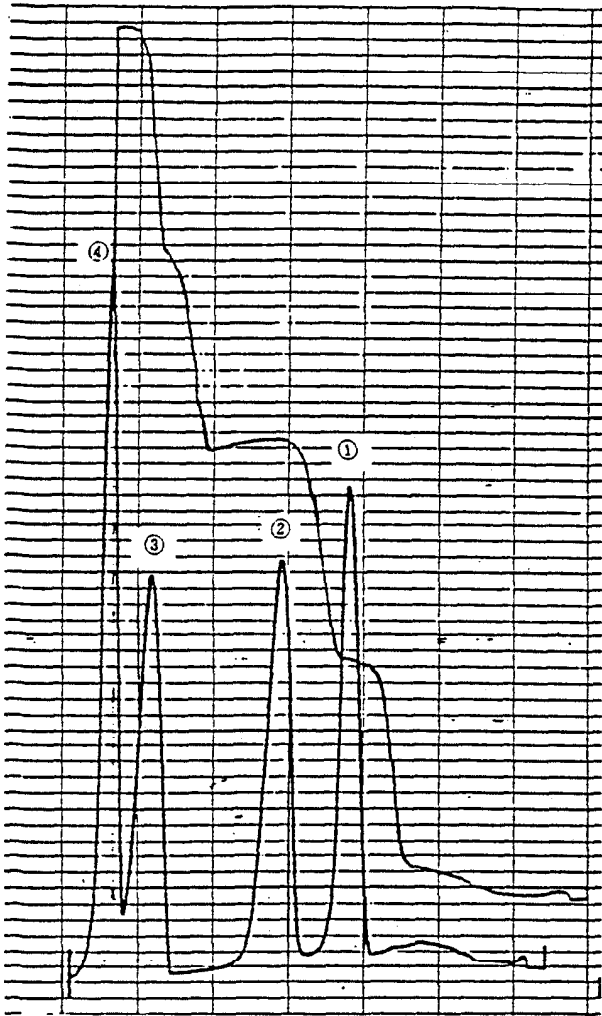


2. D.L-Methionine



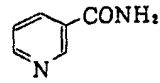
Stationary phase : CHROMAROD-S II

Mobile phase : Acetone : Acetic acid : Water  
10 : 15 : 75

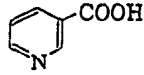


Component :

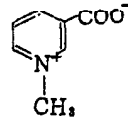
1. Nicotinamide



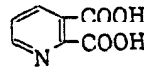
2. Nicotinic acid



3. Trigonelline



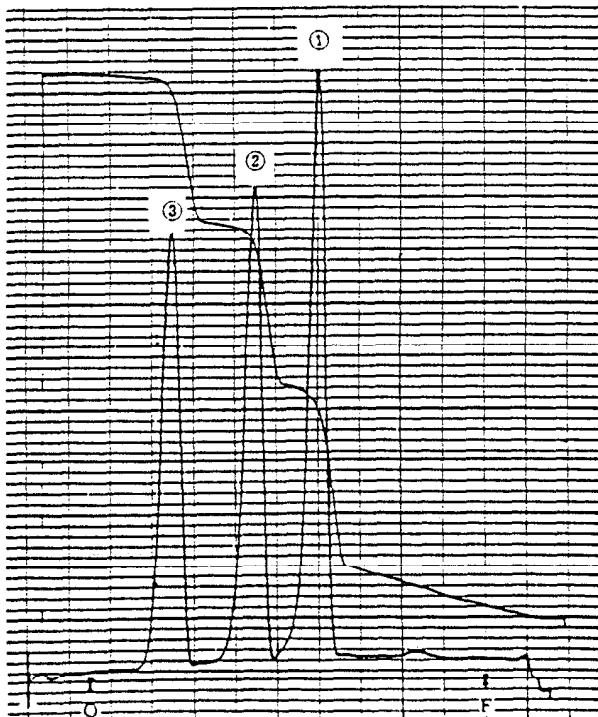
4. Quinolinic acid



Stationary phase : CHROMAROD-S I

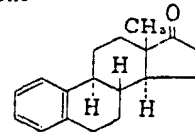
Mobile phase : Benzene : Acetone : Methanol  
30 : 10 : 25

: Ammonia water  
3

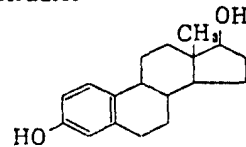


Component :

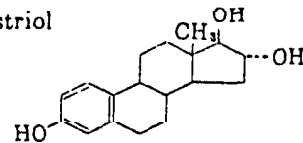
1. Estrone



2. Estradiol

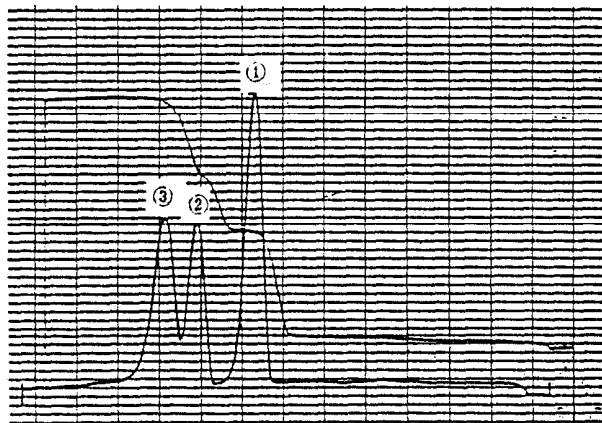


3. Estriol

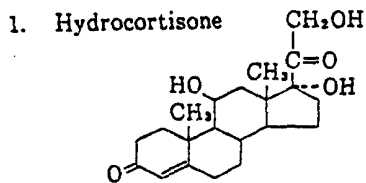


Stationary phase : CHROMAROD-S I

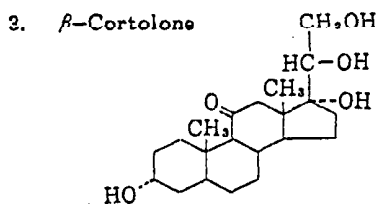
Mobile phase : Toluene : Methanol  
90 : 10



Component :

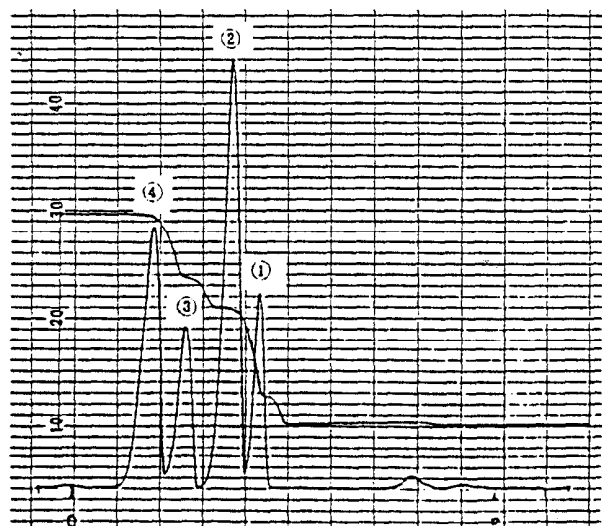


2. Tetrahydrocortisol

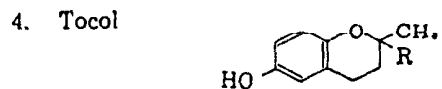
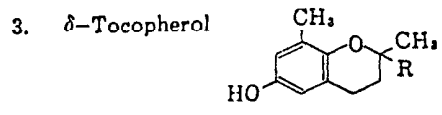
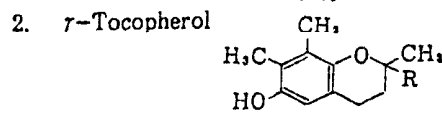
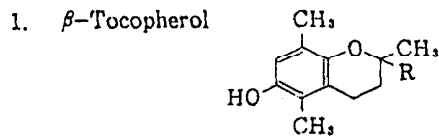
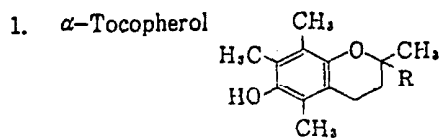
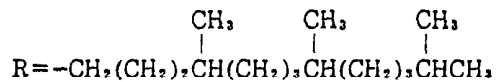
CC12CCC3C1CC2O


Stationary phase : CHROMAROD-S II

Mobile phase : Chloroform : Methanol  
9 : 1

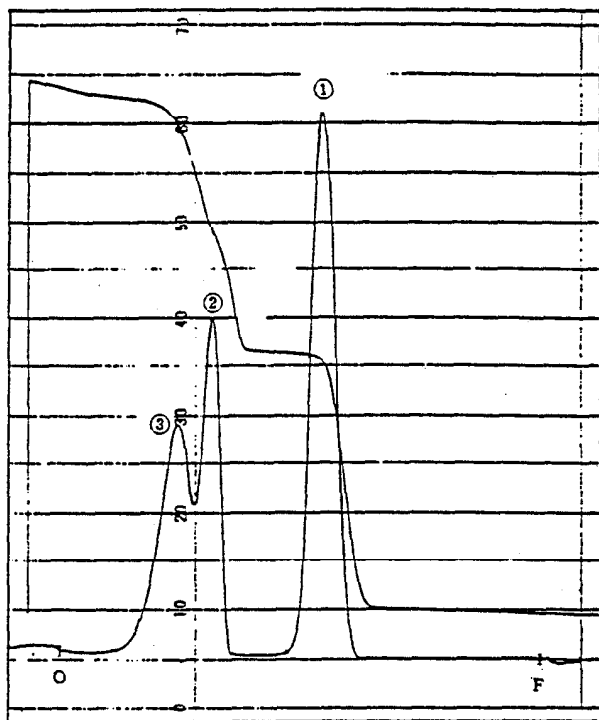


Component :



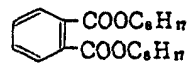
Stationary phase : CHROMAROD-S II

Mobile phase : Benzene : Hexane  
48 : 2

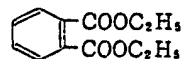


Component :

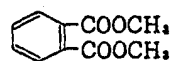
1. Dioctyl phthalate



2. Diethyl phthalate



3. Dimethyl phthalate

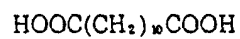


Stationary phase : CHROMAROD-S

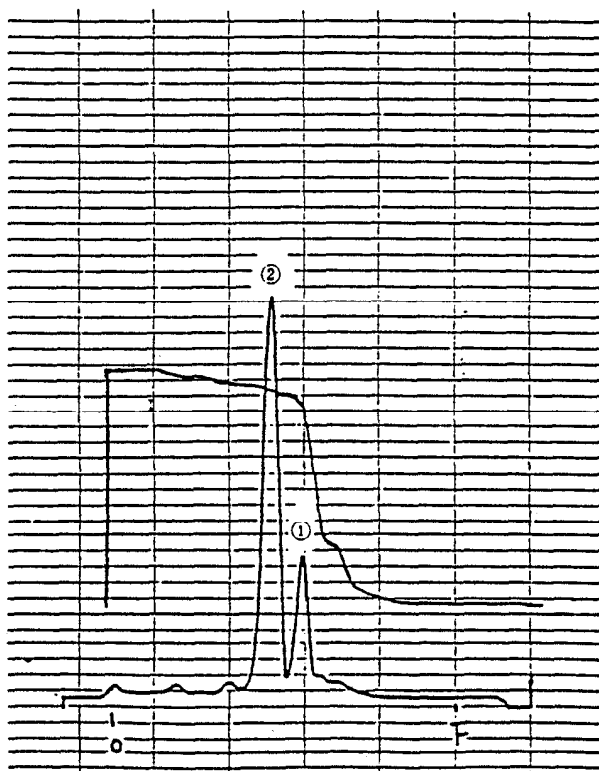
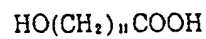
Mobile phase : Butylether : Hexane  
4 : 1

Component :

1. Dodecanedioic acid

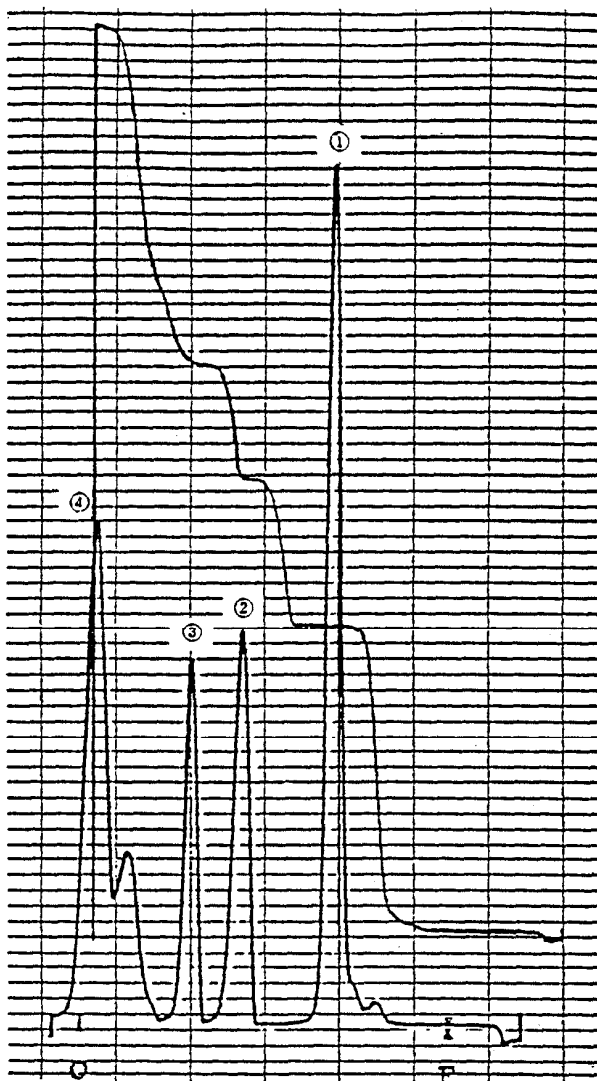


2. 12-Hydroxy dodecanoic acid

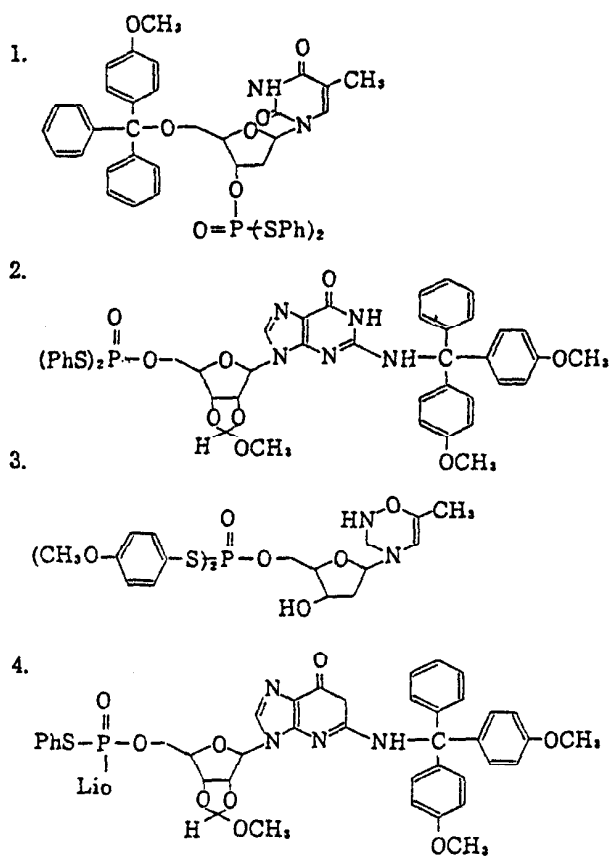


Stationary phase : CHROMAROD-S II

Mobile phase : Benzene : Dioxane : Formic acid  
54 : 9 : 1



Component :



Stationary phase : CHROMAROD-S II

Mobile phase : Benzene : Methanol  
14 : 1