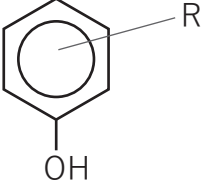
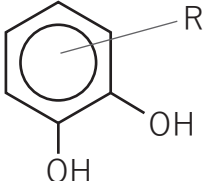
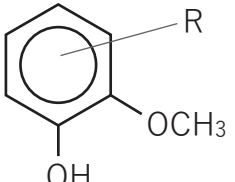
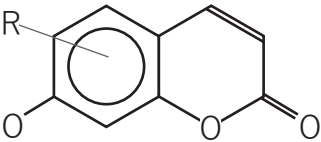
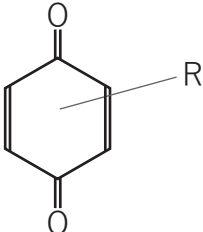
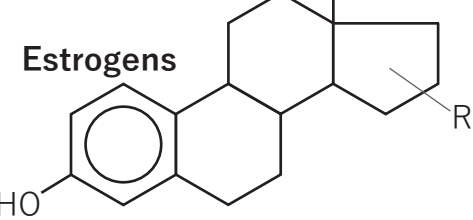
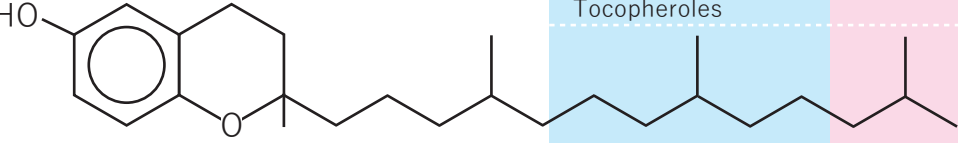
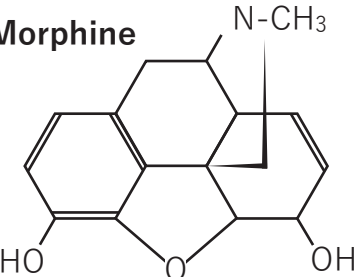


# 電気化学検出器 (ECD) に反応する代表的な化学構造式

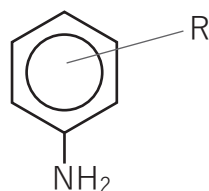
(記載の無い物質についてはお問合せください)

## Aromatic Alcohols

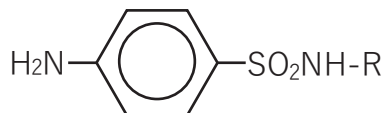
<p><b>Phenols</b></p> 	<p>Tyrosine Tyramine Thyroxine Thyronine</p>	<p>アミノ酸 Tyrosine の代謝物 甲状腺ホルモン</p>	<p>+800 mV ~ 900 mV (vs Ag/AgCl)</p>
<p><b>Catechols</b></p> 	<p>Adrenaline Noradrenaline Dopamine L-Dopa Homogentisic Acid Catechol estrogens</p>	<p>神経伝達物質 アルカプトン尿症 卵胞ホルモン</p>	<p>+400 mV ~ 700 mV (vs Ag/AgCl)</p>
<p><b>Methoxyphenols</b></p> 	<p>Homo vanillic Acid Methanephine Normethanephine Vanillic Acid</p>	<p>カテコールアミンの 代謝物</p>	<p>+800 mV ~ 900 mV (vs Ag/AgCl)</p>
<p><b>Hydroxycoumarins</b></p> 	<p>Scopoletin</p>	<p>ベラドンナ (ナス) の 根、葉に存在</p>	<p>+800 mV ~ 900 mV (vs Ag/AgCl)</p>
<p><b>Quinones</b></p> 	<p>Ubiquinones Phylloquinone</p>	<p>ミトコンドリア中に存在 ビタミンK</p>	<p>-400 mV (vs Ag/AgCl)</p>
<p><b>Estrogens</b></p> 	<p>Estron Estradiol Estriol</p>	<p>卵胞ホルモン</p>	<p>+900 mV (vs Ag/AgCl)</p>
<p><b>Tocopherols</b></p> 	<p><math>\alpha</math>-、<math>\beta</math>-、<math>\gamma</math>-、<math>\delta</math>- Tocopheroles</p>	<p>ビタミンE</p>	<p>+700 mV (vs Ag/AgCl)</p>
<p><b>Morphine</b></p> 	<p>Morphine</p>	<p>麻酔鎮痛剤</p>	<p>+800 mV (vs Ag/AgCl)</p>

# Aromatic Amines

## Anilines

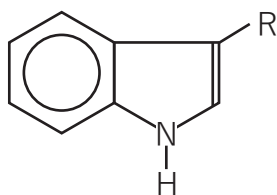


## Sulfonamides

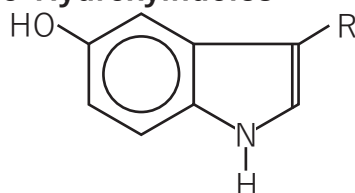


# Indoles

## Indoles-3-derivatives

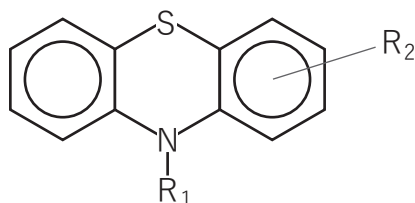


## 5-Hydroxyindoles



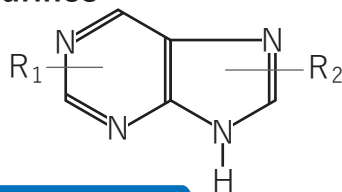
# Phenothiazine

## Phenothiazines



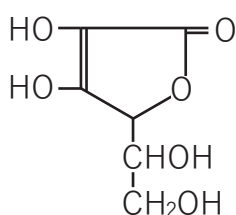
# Purines

## Purines

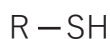


# Others

## Ascorbic acid



## Thiols



## Anions



Chloroanilines Bromoanilines p-Phenylenediamine Benzidine	工業原料、公害物質	+900 mV ~ 1000 mV (vs Ag/AgCl)
Sulfonamide	サルファー剤	
Tryptophan Indolyl-3-acetic acid Tryptamine Melatonin	アミノ酸 トリプトファン代謝物	+800 mV ~ 900 mV (vs Ag/AgCl)
Serotonin 5-Hydroxyindolacetic acid 5-Hydroxy tryptophan	トリプトファン代謝物	+600 mV ~ 700 mV (vs Ag/AgCl)
Chlorpromazine Promethazine Perphenazine	向精神薬	+900 mV (vs Ag/AgCl)
Uric acid Xanthine Guanine Theophylline	尿酸 核酸 喘息薬	+800 mV ~ 1100mV (vs Ag/AgCl)
Ascorbic acid	ビタミンC	+800 mV (vs Ag/AgCl)
Cysteine Penicillamine Glutathione	アミノ酸 神経痛薬 生体内酸化還元的重要物質	+800 mV (vs Ag/AgCl)