

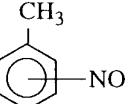
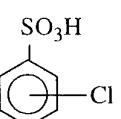
PRILOGA
STRUKTURNE FORMULE DOLOČENIH KEMIKALIJ OPISANIH V KOMENTARSKIH POJASNILIH K 29. POGLAVJU

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|---|--|
| Splošno | (G) | | Uvrščanje estrov, soli in nekaterih halogenidov | |
| | (1) | . | Estri | |
| | | (a) | | $\begin{array}{ccc} \text{O} & & \text{O} \\ & + & \\ \text{CH}_3-\text{C-OH} & \text{HO-CH}_2-\text{CH}_2 & \text{CH}_3-\text{C-O-CH}_2-\text{CH}_2 \\ & & \\ & \text{HO-CH}_2-\text{CH}_2 & \text{CH}_3-\text{C-O-CH}_2-\text{CH}_2 \\ & & \\ & & \text{O} \\ & & (\text{dietilen glikol}) & (\text{dietilen glikol acetat}) \\ (\text{ocetna kislina}) & 29.09 & 29.15 & 29.15 \\ 29.15 & & & \end{array}$ |
| | | (b) | | $\begin{array}{ccc} \text{SO}_3\text{H} & & \text{OCH}_3 \\ & + & \\ \text{C}_6\text{H}_5 & \text{CH}_3\text{OH} & \text{O=S=O} \\ & (\text{metil alkohol}) & \\ & 29.05 & \text{C}_6\text{H}_5-\text{OCH}_3 \\ & & (\text{metil benzenosulfat}) \\ (\text{benzenosulfonska kislina}) & 29.04 & 29.05 \end{array}$ |
| | | (c) | | $\begin{array}{c} \text{COOH} \\ \\ \text{C}_6\text{H}_5-\text{COOC}_4\text{H}_9 \\ \\ \text{COOC}_4\text{H}_9 \end{array}$ (butil-hidrogen ftalat) 29.17 |

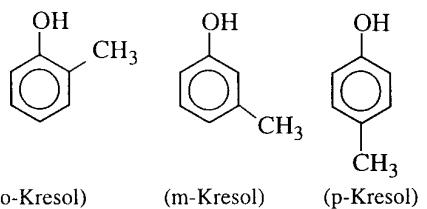
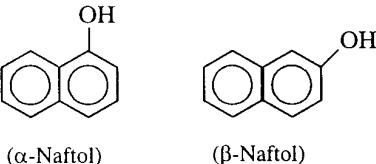
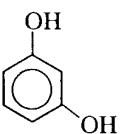
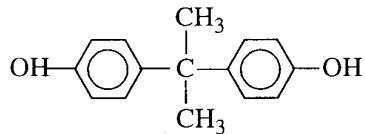
| Tarifna oznaka | Odstavek | | | Opis iz komentara | Kemična struktura | |
|----------------|----------|-----|--------|-------------------|---|---|
| | (G) | (1) | (d) | . | <p style="text-align: center;"> COOH + HOCH₂COOH + C₄H₉OH (ftalna kislina) (glikolna kislina) (butil alkohol) 29.17 29.18 29.05 ↓ (butil - ftalil butil glikolat) 29.18 </p> | |
| | | | (d) | . | $\text{CH}_3\text{COOH} + \text{HOCH}_2\text{CH}_3 \longrightarrow \text{CH}_3\text{COOCH}_2\text{CH}_3$ (ocetna kislina)(etyl alkohol) (etyl acetat) 29.15 29.15 | |
| | (2) | | | Soli | | |
| | | | (a)(i) | . | $\text{CH}_3\text{O} \begin{array}{l} \text{COOH} \\ \\ \text{---} \\ \\ \text{---} \end{array}$ (metoksibenzojeva kislina) 29.18 | $\text{CH}_3\text{O} \begin{array}{l} \text{COONa} \\ \\ \text{---} \\ \\ \text{---} \end{array}$ (natrijev metoksibenzoat) 29.18 |

| Tarifna oznaka | Odstavek | | | Opis iz komentara | Kemična struktura |
|----------------|----------|-----|--------|--|---|
| | | | | . | $\text{C}_4\text{H}_9\text{OC} \begin{matrix} \text{O} \\ \\ \text{C}_6\text{H}_4 \end{matrix} \text{COOH} + \text{Cu}(\text{OH})_2 \xrightarrow{\text{(bakrov hidroksid)}} \left(\text{C}_4\text{H}_9\text{OC} \begin{matrix} \text{O} \\ \\ \text{C}_6\text{H}_4 \end{matrix} \text{COO} \right)_2 \text{Cu}$ <p style="text-align: center;">(butilna ortoftalna kislina) 29.17 (butil bakrov ortoftalat) 29.17</p> |
| | | | (ii) | | $(\text{C}_2\text{H}_5)_2\text{NH} + \text{HCl} \xrightarrow{\text{HCl}} (\text{C}_2\text{H}_5)_2\text{NH}$ <p style="text-align: center;">(dietilamin) (klorovodikova kislina) (dietilamin hidroklorid) 29.21 28.06 29.21</p> |
| | (G) | (2) | (b)(i) | | $\text{CH}_3\text{COH} + \text{NH}_2 \begin{matrix} \text{O} \\ \\ \text{C}_6\text{H}_4 \end{matrix} \rightarrow \text{CH}_3\text{COO}^\ominus \text{NH}_3^\oplus$ <p style="text-align: center;">(ocetna kislina) 29.15 (anilin) 29.21 (anilin acetat) 29.21</p> |
| | | | (ii) | | $\text{CH}_3\text{NH}_2 + \text{O} \cdot \text{CH}_2\text{COOH} \rightarrow \text{O} \cdot \text{CH}_2\text{COO}^\ominus \text{NH}_3^\oplus \text{CH}_3$ <p style="text-align: center;">(metilamin) 29.21 (fenoksiacetna kislina) 29.18 (metilamin fenoksiacetat) 29.18</p> |
| | | (3) | | Halogenirane karboksilne kisline (izobutiril-klorid: 29.15) | $(\text{CH}_3)_2\text{CH}-\text{C}(=\text{O})-\text{Cl}$ |

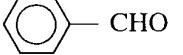
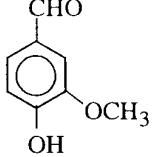
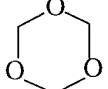
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--------|--|---|
| 29.02 | | | CIKLIČNI OGLJIKOVODIKI | |
| | (B) | | CIKLOTERPENI | |
| | (3) | | Limonen | $ \begin{array}{c} & \text{2HC}-\text{CH}_2 \\ & \diagup \quad \diagdown \\ \text{H}_3\text{C}-\text{C} & & \text{CH}-\text{C}=\text{CH}_2 \\ & \diagdown \quad \diagup \\ & \text{2HC}-\text{CH}_2 \end{array} $ |
| | (C) | | AROMATSKI OGLJIKOVODIKI | |
| | (I) | (c) | o-ksilen | |
| | | (d)(1) | stiren | $ \begin{array}{c} \text{HC}=\text{CH}_2 \\ \\ \text{C}_6\text{H}_5 \end{array} $ |
| 29.03 | | | HALOGENSKI DERIVATI OGLJKOVODIKOV | |
| | (F) | | HALOGENSKI DERIVATI AROMATSKIH OGLJKOVODIKOV | |
| | (6) | | 1,1,1-trikloro-2,2-bis(paraklorfenil) etan ali diklor-difeniltrikloretan (DDT) | |

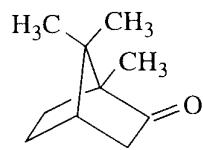
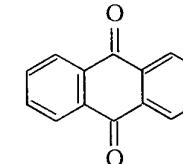
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|-----|---|--|
| 29.04 | | | | SULFO-, NITRO- ALI NITROZO-DERIVATI OĞLJIKOVODIKOV, HALOGENIRANI ALI NEHALOGENIRANI | |
| | (A) | | | SULFO-DERIVATI | |
| | | (1) | (a) | Etilensulfonska kislina | $\text{CH}_2=\text{CHSO}_3\text{H}$ |
| | (B) | | | NITRO-DERIVATI | |
| | | (1) | (d) | Trinitrometan | $\text{CH}(\text{NO}_2)_3$ |
| | (C) | | | NITROZO-DERIVATI | |
| | | | | Nitrozo-toluen |  |
| | (D) | | | SULFO-HALOGENSKI DERIVATI | |
| | | (1) | | Klorbenzensulfonska kislina |  |
| 29.05 | | | | ACIKLIČNI ALKOHOLI IN NJIHOVI HALOGENSKI, SULFO-, NITRO- ALI NITROZO-DERIVATI | |
| | (B) | | | NENASIČENI ENOHIDROKSILNI ALKOHOLI | |
| | | (1) | | Alil alkohol | $\text{H}_2\text{C}=\text{CHCH}_2\text{OH}$ |

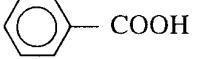
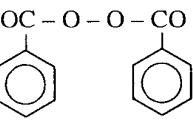
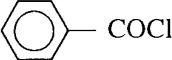
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|------|-----|--|--|
| | (C) | | | DIOLI IN DRUGI POLIHIDROKSILNI ALKO-HÖLI | |
| | | (II) | (4) | Manitol | $ \begin{array}{c} \text{CH}_2\text{OH} \\ \\ \text{HOCH} \\ \\ \text{HOCH} \\ \\ \text{HCOH} \\ \\ \text{HCOH} \\ \\ \text{CH}_2\text{OH} \end{array} $ |
| 29.06 | | | | CIKLIČNI ALKOHOLI IN NJIHOVI HALOGENSKI, SULFO-, NITRO- IN NITROZO-DERIVATI | |
| | (A) | | | CIKLANSKI, CIKLENSKI IN CIKLOTERPENSKI ALKOHOLI IN NJIHOVE HALOGENSKI, SULFO-, NITRO- ALI NITROZO-DERIVATI | |
| | | (1) | | Mentol | |
| 29.07 | | | | FENOLI; FENOL-ALKOHOLI | |
| | (A) | | | MONONUKLEARNI MONOFENOLI | |

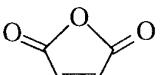
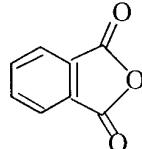
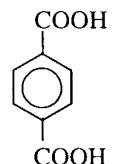
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|-------------------------|---|
| | (2) | | Krezol(i) |  <p style="text-align: center;">(o-Kresol) (m-Kresol) (p-Kresol)</p> |
| | (B) | | POLINUKEARNI MONOFENOLI | |
| | (1) | | Naftol(i) |  <p style="text-align: center;">(α-Naftol) (β-Naftol)</p> |
| | (C) | | POLIFENOLI | |
| | (1) | | Rezorcinol |  |
| | (3) | | Bisfenol A |  |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|-------------------|
| 29.09 | | | ETRI, ETER-ALKOHOLI, ETER-FENOLI, ETER-ALKOHOL-FENOLI, ALKOHOL-PEROXIDI, ETER-PEROXIDI, KETONSKI PEROXIDI (KEMIČNO DOLOČENI ALI KEMIČNO NEDOLOČENI) IN NJIHOVI HALOGENSKI, SULFO-, NITRO- IN NITROZO-DERIVATI | |
| | (C) | | ETER-FENOLI IN ETER-ALKOHOL-FENOLI | |
| | (1) | | Guajakol | |
| | (D) | | ALKOHOL-PEROXIDI, ETER-PEROXIDI IN KETONSKI PEROXIDI | |
| | | | Keton peroksid (cikloheksanon peroksid) | |
| 29.10 | | | EPOXIDI, EPOKSIALKOHOLI, EPOKSIFENOLI IN EPOKSIETRI, S TRIČLENO VERIGO IN NJIHOVI HALOGENSKI, SULFO-, NITRO- IN NITROZO-DERIVATI | |
| | (1) | | Oksiran | |
| 29.11 | | | ACETALI IN POLACETALI, Z DRUGIMI KISIKOVIMI FUNKCIJAMI ALI BREZ NJIH IN NJIHOVI HALOGENSKI, SULFO-, NITRO- IN NITROZO-DERIVATI | |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|--|---|
| | (A) | | ACETALI IN HEMIACETALI | $\begin{array}{c} \text{O} - \text{R}_1 \\ \\ \text{R} - \text{C} \\ \\ \text{O} - \text{R}_2 \end{array}$ $\begin{array}{c} \text{H} - \text{C} \\ \\ \text{O} - \text{R}_1 \\ \\ \text{O} - \text{H} \end{array}$ |
| 29.12 | | | ALDEHIDI, Z DRUGIMI KISIKOVIMI FUNKCIJAMI ALI BREZ NJIH; CIKLIČNI POLIMERI ALDEHIDOV; PARAFORM-ALDEHID | |
| | (A) | | ALDEHIDI | $\begin{array}{c} \text{O} \\ \parallel \\ \text{R} - \text{C} - \text{H} \end{array}$ |
| | (IV) | (1) | Benzaldehid |  |
| | (C) | | ALDEHID-ETRI, ALDEHID-FENOLI IN ALDEHIDI Z DRUGO KISIKOVIM FUNKCIJO | |
| | | | Vanilin |  |
| | (D) | | CIKLIČNI POLIMERI ALDEHIDOV | |
| | (1) | | Trioksan |  |

| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|------|-----|--|---|
| 29.14 | | | | KETONI IN KINONI, Z DRUGO KISIKOVO FUNKCIJO ALI BREZ NJE IN NJIHOVI HALOGENSKI, SULFO-. NITRO- ALI NITROZO-DERIVATI | |
| | (A) | | | KETONI | $\text{R}_1 - \overset{\text{O}}{\underset{\text{ }}{\text{C}}} - \text{R}_2$ |
| | (A) | (II) | (1) | Kafra |  |
| | (E) | | | KINONI | |
| | | (1) | | Antrakinon |  |
| 29.15 | | | | NASIČENE ACIKLIČNE MONOKARBOKSILNE KISLINE IN NJIHOVI ANHIDRIDI, HALIDI, PEROKSIDI IN PEROOKSIKACIDI; NJIHOVI HALOGENSKI, SULFO-, NITRO- IN NITROZO-DERIVATI | |
| | (V) | (a) | | n-maslena kislina | $\text{CH}_3\text{CH}_2\text{CH}_2\text{COOH}$ |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|---|---|
| 29.16 | | | NENASIČENE ACIKLIČNE MONOKARBOKSILNE KISLINE, CIKLIČNE MONOKARBOKSILNE KISLINE, NJIHOVI ANHIDRIDI, HALIDI, PEROXIDI IN PEROksiACIDI; NJIHOVI HALOGENSKI, SULFO-. NITRO- IN NITROZO-DERIVATI | |
| | (A) | | NENASIČENE ACIKLIČNE MONOKARBOKSILNE KISLINE IN NJIHOVE SOLI, ETRI IN DRUGI DERIVATI | |
| | (A) | (1) | Akrilna kislina | $\text{CH}_2=\text{CHCOOH}$ |
| | (C) | | AROMATSKE NASIČENE MONOKARBOKSILNE KISLINE IN NJIHOVE SOLI, ETRI IN DRUGI DERIVATI | |
| | | (1) | Benzojeva kislina |  |
| | | (a) | Benzoil-peroksid |  |
| | | (b) | Benzoil-klorid |  |
| 29.17 | | | POLIKARBOKSILNE KISLINE, NJIHOVI ANHIDRIDI, HALIDI, PEROXIDI IN PEROksiACIDI; NJIHOVI HALOGENSKI, SULFO-. NITRO- IN NITROZO-DERIVATI | |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|--|--|
| | (A) | | ACIKLIČNE POLIKARBOKSILNE KISLINE IN NJIHOVI ESTRI, SOLI IN DERIVATI | |
| | (3) | | Azelainska kislina | $\text{HOOC}(\text{CH}_2)_7\text{COOH}$ |
| | (5) | | Malein anhidrid |  |
| | (C) | | AROMATSKE POLIKARBOKSILNE KISLINE IN NJIHOVI ESTRI, SOLI IN DRUGI DERIVATI | |
| | (1) | | Anhidrid ftalne kisline |  |
| | (2) | | Tereftalna kislina |  |
| 29.18 | | | KARBOKSILNE KISLINE Z DODATNO KISIKOVIM FUNKCIJOM IN NJIHOVI ANHIDRIDI, HALIDI, PEROKSIDI IN PEROKSICIDI; NJIHOVI HALOGENSKI, SULFO-, NITRO- IN NITROZO-DERIVATI | |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|---|
| | (A) | | KARBOKSILNE KISLINE Z ALKOHOLNO FUNKCIJO IN NJIHOVI ESTRI, SOLI IN DRUGI DERIVATI | |
| | (3) | | Citronska kislina | $\begin{array}{c} \text{CH}_2\text{COOH} \\ \\ \text{C(OH)COOH} \\ \\ \text{CH}_2\text{COOH} \end{array}$ |
| | (6) | | Fenilglikolna kislina | $\begin{array}{c} \text{COOH} \\ \\ \text{H} - \text{C} - \text{OH} \\ \\ \text{C}_6\text{H}_5 \end{array}$ |
| | (B) | | KARBOKSILNE KISLINE S FENOLNO FUNKCIJO IN NJIHOVI ESTRI, SOLI IN DRUGI DERIVATI | |
| | (1) | | Salicilna kislina | $\begin{array}{c} \text{COOH} \\ \\ \text{C}_6\text{H}_4 - \text{OH} \end{array}$ |
| 29.19 | | | FOSFORNI ESTRI IN NJIHOVE SOLI, VKLJUČNO Z LAKTOFOSFATI; NJIHOVI HALOGENSKI, SULFO-, NITRO- IN NITROZO-DERIVATI | $\begin{array}{c} \text{OR}_1 \\ \\ \text{R}_2\text{O} - \text{P} = \text{O} \\ \\ \text{OR}_3 \end{array}$ |

| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|--|---|---|
| | (3) | | | Tributil-fosfat | $\begin{array}{c} \text{C}_4\text{H}_9\text{O} \\ \\ \text{C}_4\text{H}_9\text{O} - \text{P} = \text{O} \\ \\ \text{C}_4\text{H}_9\text{O} \end{array}$ |
| 29.20 | | | | ESTRI DRUGIH ANORGANSKIH KISLIN (RAZEN ESTROV VODIKOVIH HALIDOV) IN NJIHOVE SOLI; NJIHOVI SULFO-, NITRO- IN NITROZO-DERIVATI | |
| | (A) | | | Tiofosforjevi estri | |
| | | | | Natrijevi 0,0-dibutil-ditiofosfati | $\begin{array}{c} \text{S} \\ \\ \text{NaS} - \text{P} \\ \backslash \\ \text{O} - \text{C}_4\text{H}_9 \\ / \\ \text{O} - \text{C}_4\text{H}_9 \end{array}$ |
| | (C) | | | Nitrozo in nitro estri | |
| | | | | Metil-nitrit | CH_3ONO |
| | | | | Nitroglycerin | $\begin{array}{c} \text{CH}_2\text{ONO}_2 \\ \\ \text{CHONO}_2 \\ \\ \text{CH}_2\text{ONO}_2 \end{array}$ |
| | (D) | | | Ogljikovi ali peroksiogljikovi estri in njihove soli | |
| | (1) | | | Diguaiacil-karbonat | $\begin{array}{c} \text{O} \\ \parallel \\ \text{H}_3\text{CO} - \text{C} - \text{O} - \text{C} - \text{O} - \text{CH}_3 \\ \qquad \\ \text{C}_6\text{H}_4 \qquad \text{C}_6\text{H}_4 \end{array}$ |

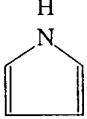
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|--|---|---|
| | (E) | | | Estri silicijeve kisline in njihove soli | |
| | | | | Tetraetil-silikat | $\begin{array}{c} \text{C}_2\text{H}_5\text{O} \diagdown \text{Si} \diagup \text{OC}_2\text{H}_5 \\ \text{C}_2\text{H}_5\text{O} \diagup \text{OC}_2\text{H}_5 \end{array}$ |
| 29.21 | | | | SPOJINE Z AMINO FUNKCIJO | $\begin{array}{c} \text{R} \diagup \text{N} \diagdown \text{R} \\ \text{R}-\text{NH}_2 \quad \text{R}-\text{NH}-\text{R} \\ \text{R} \end{array}$ |
| | (A) | | | ACIKLIČNI MONOAMINI IN NJIHOVI DERIVATI; NJIHOVE SOLI | |
| | | (4) | | Etilamin | $\text{CH}_3-\text{CH}_2-\text{NH}_2$ |
| | (B) | | | ACIKLIČNI POLIAMINI IN NJIHOVI DERIVATI; NJIHOVE SOLI | |
| | | (2) | | Heksametilendiamin | $\begin{array}{ccccccc} \text{H}_2\text{N} & \diagup & \text{CH}_2 & \diagup & \text{CH}_2 & \diagup & \text{CH}_2 & \diagup & \text{NH}_2 \\ & & \text{CH}_2 & & \text{CH}_2 & & \text{CH}_2 & & \\ & & \diagdown & & \diagdown & & \diagdown & & \end{array}$ |
| | (D) | | | AROMATSKI MONOAMINI IN NJIHOVI DERIVATI; NJIHOVE SOLI | |
| | | (1) | | Anilin | |
| | | (2) | | Toluidin(i) | |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|--|--|--|--|
| | (4) | | 1-Naftilamin | |
| | (E) | | AROMATSKI POLIAMINI IN NJIHOVI DERIVATI; NJIHOVE SOLI | |
| | (1) | | Fenilendiamin(i) | |
| 29.22 | AMINO SPOJINE S KISIKOVU FUNKCIJO | | | |
| | (A) | | AMINO-ALKOHOLI, NJIHOVI ETRI IN ESTRI; NJIHOVE SOLI | |
| | (1) | | Monoetanolamin | $\text{H}_2\text{N}-\text{CH}_2\text{CH}_2\text{OH}$ |
| | (B) | | AMINO-NAFTOLI IN DRUGI AMINO-FENOLI, NJIHOVI ETRI IN ESTRI; NJIHOVE SOLI | |
| | (1) | | Aminohidroksinaftalensulfonska kislina | |
| | (a) | | Anisidin(i) | |

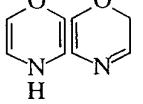
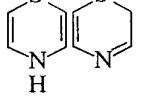
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|--|
| | (b) | | Dianisidin(i) | |
| | (D) | | AMINO KISLINE IN NJIHOVI ESTRI; NJIHOVE SOLI | |
| | (1) | | Lizin | $\begin{matrix} \text{NH}_2 \\ \\ \text{H}_2\text{N}(\text{CH}_2)_4\text{C}-\text{COOH} \\ \\ \text{H} \end{matrix}$ |
| 29.23 | | | KVATERNARNE AMONIJEVE SOLI IN HIDROKSIDI; LECITINI IN DRUGI FOSFOAMINOLIPIDI | |
| | (1) | | Holin (Holin hidroksid) | $[(\text{CH}_3)_3\text{NCH}_2\text{CH}_2\text{OH}]^{\oplus}\text{OH}^{\ominus}$ |
| | (2) | | Lecitin | $\begin{matrix} \text{CH}_2\text{OCOR} \\ \\ \text{RCOO} \blacktriangleright \text{C}-\text{H} \\ \\ \text{H}_2\text{C}-\text{O}-\overset{\text{O}}{\underset{\text{O}^{\ominus}}{\text{P}}}-\text{O}-\text{R} \end{matrix}$ |
| 29.24 | | | SPOJINE Z OGLJKO-AMIDNO FUNKCIJO; SPOJINE OGLJIKOVE KISLINE Z AMIDNO FUNKCIJO | |
| | (B) | | CIKLIČNI AMIDI | |

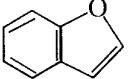
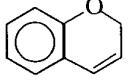
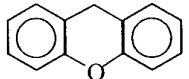
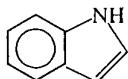
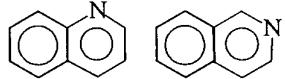
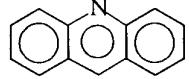
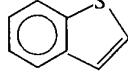
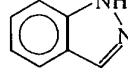
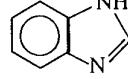
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|------|---|-----------------------------|
| | | (1) | (ii) | Dietildifenilureja | |
| 29.25 | | | | SPOJINE Z OGLJKO-IMIDNO FUNKCIJO (VKLJUČNO S SAHARINOM IN NJEGOVIMI SOLMI IN SPOJINE Z IMINSKO FUNKCIJO) | |
| | (A) | | | IMIDI | |
| | | (1) | | Saharin | |
| | (B) | | | IMINI | |
| | | (1) | (a) | Difenilgvanidin | |
| | (B) | (3) | | Imino etri | |
| 29.26 | | | | SPOJINE Z NITRILNO FUNKCIJO | |
| | | (1) | | Akrilonitril | $\text{CH}_2 = \text{CHCN}$ |

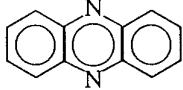
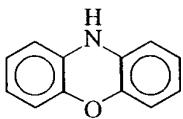
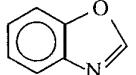
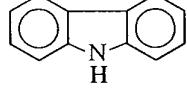
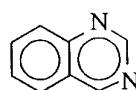
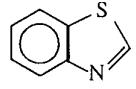
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|-----|---|--|
| | (2) | | | 1-Cianogvanidin | $\begin{array}{c} \text{NH} \\ \diagup \\ \text{H}_2\text{NC} \\ \diagdown \\ \text{NHCN} \end{array}$ |
| 29.27 | | | | DIAZO-, AZO- IN AZOKSI SPOJINE | |
| | (A) | | | DIAZO SPOJINE | |
| | | (1) | (a) | Benzendiazonijev klorid | $\begin{array}{c} \text{N}^{\oplus}\text{N}^{\ominus} \text{Cl} \\ \\ \text{C}_6\text{H}_5 \end{array}$ |
| | (B) | | | AZO SPOJINE | $\text{R}_1\text{N} = \text{NR}_2$ |
| | (C) | | | AZOKSI SPOJINE | $\text{R}_1 - \text{N}_2\text{O} - \text{R}_2$ |
| | | (1) | | Azoksibenzen | $\begin{array}{c} \text{C}_6\text{H}_5 - \text{N} = \text{N} - \text{C}_6\text{H}_5 \\ \\ \text{O} \end{array}$ |
| 29.28 | | | | ORGANSKI DERIVATI HIDRAZINA IN HIDROKSILAMINA | |
| | (1) | | | Fenilhidrazin | $\begin{array}{c} \text{C}_6\text{H}_5 - \text{NHNH}_2 \end{array}$ |
| | (11) | | | Fenilglioksim | $\begin{array}{c} \text{C}_6\text{H}_5 - \text{C} = \text{NH} \rightarrow \text{O} \\ \\ \text{HC} = \text{NOH} \end{array}$ |

| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|-----|--|---|
| 29.29 | | | | SPOJINE Z DRUGIMI DUŠIKOVIMI FUNKCIJAMI | |
| | (1) | | | Izocianati | $R - N = C = O$ |
| X. pododdelek | | | | ORGANSKO-ANORGANSKE SPOJINE, HETEROČIKLIČNE SPOJINE, NUKLEINSKE KISLINE IN NJIHOVE SOLI IN SULFONAMIDI | |
| | (A) | | | PETČLENI OBROČI | |
| | | (1) | (a) | Furan |  |
| | | | (b) | Tiofen |  |
| | | | (c) | Pirol |  |
| | | (2) | (a) | Oksazol |  |
| | | | (a) | Izoksazol |  |

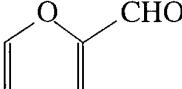
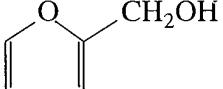
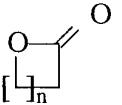
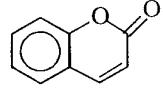
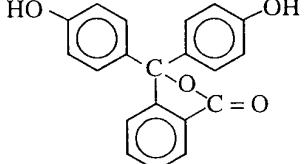
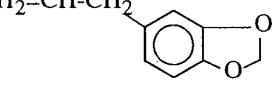
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|-----|----------------------------|-------------------|
| | (A) | (2) | (b) | Tiazol | |
| | | | (c) | Imidazol | |
| | | | (c) | Pirazol | |
| | (3) | (a) | | Furazan | |
| | | | (b) | Triazol (1,2,4-triazol) | |
| | | | (c) | Tetrazol | |
| (B) | | | | ŠESTČLENI OBROČI | |
| | (1) | (a) | | Piran (2H-piran) | |

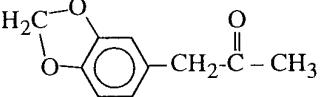
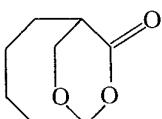
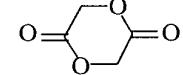
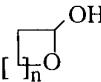
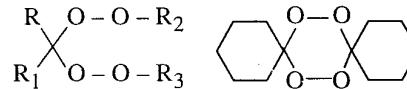
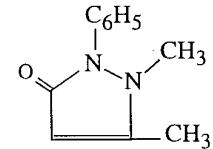
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|-----|---|---|
| | (B) | (1) | (a) | Tiin |  |
| | | | (c) | Piridin |  |
| | | (2) | (a) | Oksazin (1,4-oksazin) |  |
| | | | (b) | Tiazin (1,4 - Tiazin) |  |
| | | | (c) | Piridiazin |  |
| | | | (c) | Pirimidin |  |
| | | | (c) | Pirazin |  |
| | (B) | (2) | (c) | Piperazin |  |
| | (C) | | | DRUGE BOLJ KOMPLEKSNE HETERO- CIKLIČNE SPOJINE | |

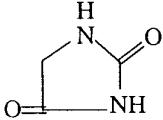
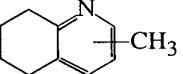
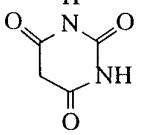
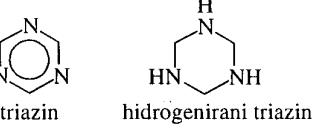
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|-------------------------|---|
| | (a) | | Kumaron |  |
| | (b) | | Benzopiran |  |
| | (c) | | Ksanten |  |
| | (d) | | Indol |  |
| | (e) | | Kinolin in izokinolin |  |
| | (f) | | Akridin |  |
| | (g) | | Benzotiofen (tionaften) |  |
| | (h) | | Indazol |  |
| | (i) | | Benzimidazol |  |

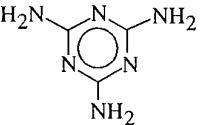
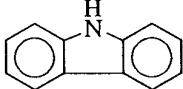
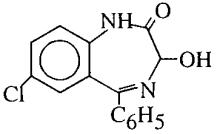
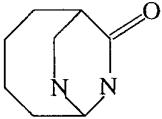
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|----------------------------------|--|
| | (j) | | Fenazin |  |
| | (k) | | Fenoksazin |  |
| | (l) | | Benzoksazol |  |
| | (m) | | Karbazol |  |
| | (n) | | Kinazolin |  |
| | (o) | | Benzotiazol |  |
| 29.30 | | | ORGANSKE ŽVEPLOVE SPOJINE | Spojine s C - S vezjo |
| | (A) | | DITIOKARBONATI (KSANTATI) | CS(OR)(SR') R = kovina |
| | (1) | | Natrijev etil-ditiokarbonat | C ₂ H ₅ O — CS ₂ Na |

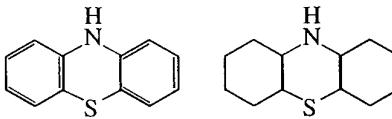
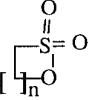
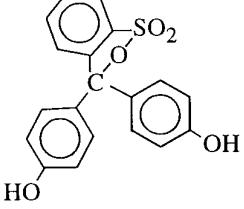
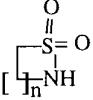
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|---|---|---|
| | (B) | | TIOKARBAMATI, DITIOKARBAMATI IN TIURAM SULFIDI | |
| | (2) | | Ditiokarbamati | $\begin{array}{c} \diagup \\ \text{N} \end{array} - \begin{array}{c} \text{S} \\ \parallel \\ \text{C} \end{array} - \text{SM}$ |
| | (C) | . | SULFIDI (ALI TIOETRI) | R.S.R ₁ |
| | | | Metionin | $\text{CH}_3\text{SCH}_2\text{CH}_2\underset{\text{NH}_2}{\text{CHCOOH}}$ |
| | (D) | | TIOAMIDI | $\begin{array}{c} \diagup \\ \text{N} \end{array} - \begin{array}{c} \text{S} \\ \parallel \\ \text{C} \end{array} - \text{R}$ |
| | (2) | | Tiokarbanilid | $\text{C}_6\text{H}_5\text{NH}-\begin{array}{c} \text{S} \\ \parallel \\ \text{C} \end{array}-\text{NH-C}_6\text{H}_5$ |
| 29.31 | | | DRUGE ORGANSKO-ANORGANSKE SPOJINE | |
| | (3) | | Organske spojine s silicijem | Spojine z vezjo C - Si |
| | | | Heksametildisilosan | $\begin{array}{c} \text{CH}_3 & \text{CH}_3 \\ & \\ \text{CH}_3-\text{Si} & -\text{O}-\text{Si} & -\text{CH}_3 \\ & \\ \text{CH}_3 & \text{CH}_3 \end{array}$ |
| 29.32 | | | HETEROCIKLIČNE SPOJINE, SAMO S HETEROATOMOM ALI HETEROATOMI KISIKA | |
| | (A) | | Spojine z nekondenziranim furanovim obročem v strukturi (hidrogenirane ali nehidrogenirane) | (Glej strukturo furana na strani 419 pri Pododdelku X (A) (1) (a) |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|--|---|
| | (2) | | 2-Furaldehid |  |
| | (A) | (3) | Furfuril-alkohol |  |
| | (B) | | Laktoni |  |
| | (a) | | Kumarin |  |
| | (o) | | Fenolftalein |  |
| | (C) | | Druge heterociklične spojine s samo kisikovimi heteroatomi | |
| | (5) | | Safrol |  |

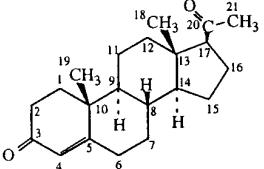
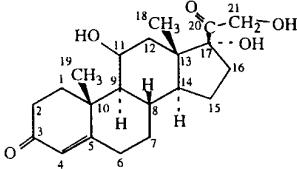
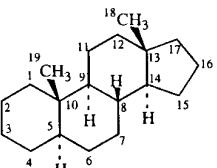
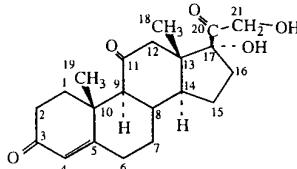
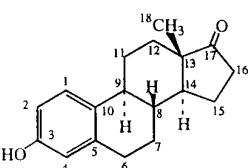
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|---|
| | (10) | | 1-(1,3-Benzodioksol-5-il)propan-2-on |  |
| | | | Primer estrov (laktonov), ki oblikujejo del dveh obročev |  |
| | | | Primer dilaktona |  |
| | | | Notranji hemiacetali |  |
| | | | ketonski peroksiidi (izvzetje) - glej 29.09 |  |
| 29.33 | | | HETEROCIKLIČNE SPOJINE, KI IMAJO SAMO S HETEROATOMOM ALI HETEROATOMI DUŠIKA | |
| | (A) | | Spojine z nekondenziranim pirazolovim obročem v strukturi (hidrogenirane ali nehodrogenirane) | (Glej strukturo pirazola na str. 419 pri Pododdelku X (A)(2)(c)) |
| | (1) | | Fenazon |  |

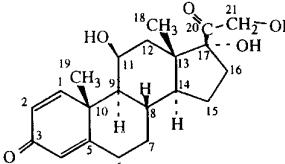
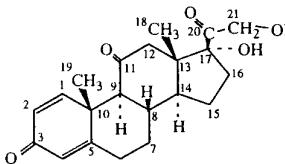
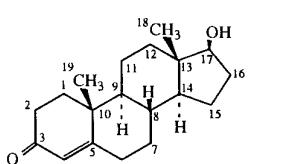
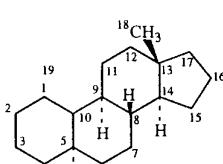
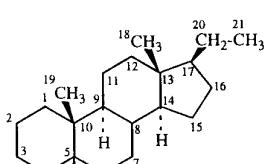
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|---|
| | (B) | | Spojine z nekondenziranim imidazolovim obročem v strukturi (hidrogenirane ali nehidrogenirane) | (Glej strukturo imidazola na str. 419 pri Pododdelku X (A)(2)(c)) |
| | (1) | | Hidantoin |  |
| | (C) | | Spojine z nekondenziranim piridinovim obročem v strukturi (hidrogenirane ali nehidrogenirane) | (Glej strukturo piridina na str. 419 pri Pododdelku X (B)(1)(c)) |
| | (D) | | Spojine s kinolinsko ali izokinolinsko obročno strukturo (hidrogenirane ali nehidrogenirane) in naprej nekondenzirane | (Glej strukturo kinolina in izokinolina na str. 420 pri Pododdelku X (C)(e)) |
| | (4) | | Tetrahidrometilkinolin (5,6,7,8-tetrahidrometilkinolin) |  |
| | (E) | | Spojine s pirimidinovim ali piperazinovim obročem v strukturi (hidrogenirane ali nehidrogenirane) | (Glej strukturo pirimidina na str. 419 pri Pododdelku X (B)(2)(c)) |
| | (1) | | Malonilsečnina (barbiturna kislina) |  |
| | (F) | | Spojine z nekondenziranim triazinovim obročem v strukturi (hidrogirane ali nehidrogirane) |  |

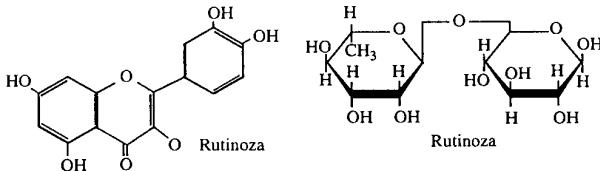
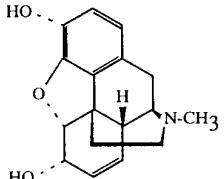
| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|---|
| | (1) | | Melamin |  |
| | (G) | | Laktami |  |
| | (H) | | Druge heterociklične spojine, ki imajo samo dušikov heteroatom ali dušikove heteroatome | |
| | (H) (1) | | Karbazol |  |
| | (2) | | Akridin | (Glej strukturo akridina na str. 420 pri Pododdelku X (C) (f)) |
| (29.33) | | | Oksazepam |  |
| | | | Primer amida (laktama), ko tvori del dveh obročev |  |
| 29.34 | | | NUKLEINSKE KISLINE IN NJIHOVE SOLI; DRUGE HETEROCIKLIČNE SPOJINE | |

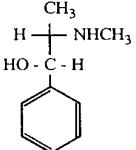
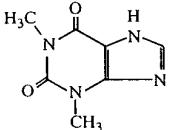
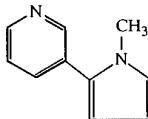
| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|-----|---|---|
| | (A) | | | Spojine z nekondenziranim tiazolovim obročem v strukturi (hidrogenirane ali nehidrogenirane) | (Glej strukturo tiazola na str. 419 pri Pododdelku X (A) (2) (b)) |
| | (B) | | | Spojine z benzotiazolovim obročem v strukturi (hidrogenirane ali nehidrogenirane), vendar naprej nekondenzirane | (Glej strukturo benzotiazola na str. 420 pri Pododdelku X (C) (o)) |
| | (C) | | . | Spojine s fenotiazinovim obročem v strukturi (hidrogenirane ali nehidrogenirane), naprej nekondenzirane |  |
| | (D) | | | Druge heterociklične spojine | |
| | | (1) | | Sultonii |  |
| | (D) | (1) | (a) | Fenolna rdeča (fenolsulfonftalein) |  |
| | | (2) | | Sultami |  |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|--|
| | (4) | | Furazolidin (INN) | |
| 29.35 | | | SULFONAMIDI | $\begin{array}{c} \text{O} \\ \parallel \\ \text{R}_1-\text{S}-\text{N} \\ \parallel \\ \text{O} \end{array} \begin{array}{l} \text{R}_2 \\ \\ \text{R}_3 \end{array}$ |
| | (4) | | Para - aminobenzensulfonamid | $\text{H}_2\text{N}-\text{C}_6\text{H}_4-\text{SO}_2\text{NH}_2$ |
| 29.37 | | | HORMONI, NARAVNI ALI SINTETIČNI; NJIHOVI DERIVATI, KI SE UPORABLJAJO PREDVSEM KOT HORMONI; DRUGI STEROIDI, KI SE UPORABLJAJO PREDVSEM KOT HORMONI | |
| | | | Gonan | |
| | (III) | | STEROIDI, KI SE UPORABLJAJO PREDVSEM ZARADI NJIHOVEGA HORMONSKEGA UČINKA | |

| Tarifna oznaka | Odstavek | Opis iz komentarja | Kemična struktura |
|----------------|----------|---------------------|---|
| | (C) | Progesteron (INN) |  |
| | | Hidrokortizon (INN) |  |
| | | Androstan |  |
| | | Kortizon (INN) |  |
| | | Estron (INN) |  |

| Tarifna oznaka | Odstavek | Opis iz komentarja | Kemična struktura |
|----------------|----------|--------------------|---|
| | | Prednisolon (INN) |  <p>Chemical structure of Prednisolon (Corticosteroid). It is a steroid molecule with a 17-hydroxy group, a 21-hydroxyl group, and a 11-ketone group. It has methyl groups at C10 and C19. Carbons are numbered 1 to 21.</p> |
| | | Prednison (INN) |  <p>Chemical structure of Prednison (Corticosteroid). It is similar to prednisolon but lacks the 11-ketone group, making it a 11beta-hydroxy steroid. It has methyl groups at C10 and C19. Carbons are numbered 1 to 21.</p> |
| | | Testosteron (INN) |  <p>Chemical structure of Testosterone (Androgen). It is a steroid molecule with a 17-hydroxy group and a 11-ketone group. It has methyl groups at C10 and C19. Carbons are numbered 1 to 21.</p> |
| | | Estran |  <p>Chemical structure of Estran (Estrogen). It is a steroid molecule with a 17-hydroxy group and a 11-ketone group. It has methyl groups at C10 and C19. Carbons are numbered 1 to 21.</p> |
| | | Pregnan |  <p>Chemical structure of Pregnan (Pregnane). It is a steroid molecule with a 17-hydroxy group and a 20-methyl side chain. It has methyl groups at C10 and C19. Carbons are numbered 1 to 21.</p> |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|---|
| 29.38 | | | GLIKOZIDI, NARAVNI ALI SINTETIČNI IN NJIHOVE SOLI, ETRI, ESTRI IN DRUGI DERIVATI | |
| | | | Rutozid |  <p>Rutinoza</p> |
| 29.39 | | | RASTLINSKI ALKALOIDI, NARAVNI ALI SINTETIČNI, NJIHOVE SOLI, ETRI, ESTRI IN DRUGI DERIVATI | |
| | (A) | | OPIJEVI ALKALOIDI IN NJIHOVI DERIVATI; NJIHOVE SOLI | |
| | (1) | | Morfin |  |
| | (B) | | KININOVI ALKALOIDI IN NJIHOVI DERIVATI; NJIHOVE SOLI | |
| | (1) | | Kinin |  |

| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|-----|--|--|---|
| | (C) | | | KOFEIN IN NJEGOVE SOLI | |
| | | | | Kofein |  |
| | (D) | | | EFEDRINI IN NJIHOVE SOLI | |
| | | (1) | | Efedrin |  |
| | (E) | | | TEOFILIN IN AMINOFILIN (TEOFILINOV ETILENDIAMIN) IN NJIHOVI DERIVATI; NJIHOVE SOLI | |
| | | | | Teofilin |  |
| | (G) | | | NIKOTIN IN NJEGOVE SOLI | |
| | | | | Nikotin |  |

| Tarifna oznaka | Odstavek | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|---|---|
| 29.40 | | | SLADKORJI, KEMIČNO ČISTI (RAZEN SAHAROZE, LAKTOZE, MALTOZE, GLUKOZE-GLIKOZE IN FRUKTOZE); SLADKORNI ETRI IN SLADKORNI ESTRI IN NJIHOVE SOLI, RAZEN PROIZVODOV IZ TAR. ŠTEVILK 29.37, 29.38 ALI 29.39. | |
| | (A) | | SLADKORJI, KEMIČNO ČISTI | |
| | (1) | | Galaktoza | <p>The chemical structure shows a six-membered pyranose ring. The carbons are labeled: C1 (top) has CHO; C2 (right) has HCOH; C3 (down) has HOCH; C4 (left) has HCOH; C5 (bottom) has CH₂OH; C6 (top-right) has CH₂OH. Hydroxyl groups (OH) are shown at positions 2, 3, 4, and 6.</p> |
| | (B) | | SLADKORNI ETRI IN SLADKORNI ESTRI IN NJIHOVE SOLI | |
| | (1) | | Hidroksi propilsaharoza | <p>The structure shows a repeating unit of a branched polysaccharide. It consists of a central glucose-like ring linked via its C1 carbon to two galactose rings. The galactose rings have hydroxyl groups (OH) at their C4 and C6 positions. The linkage between the rings is through the C1 carbon of one galactose ring and the C6 carbon of the other. Hydroxymethyl groups (CH₂OCH₂) are attached to the C6 and C2 positions of the galactose rings.</p> |
| 29.41 | | | ANTIBIOTIKI | |
| | (1) | | Penicilini | <p>The structure shows a four-membered thiazolidine ring. The nitrogen atom is substituted with an RCONH group. The C3 position has a methyl group (CH₃). The C4 position has a carboxylic acid group (COOH). The C5 position has a hydrogen atom (H).</p> |
| 29.42 | | | DRUGE ORGANSKE SPOJINE | |

| Tarifna oznaka | Odstavek | | | Opis iz komentarja | Kemična struktura |
|----------------|----------|--|--|--|---|
| | (1) | | | Keteni | $\begin{array}{c} R \\ \\ C = C = O \\ \\ R' \end{array}$ |
| | (2) | | | Acetoarzenit-baker (Schweinfurtsko zeleno) | $\text{Cu(CH}_3\text{CO}_2)_2 \cdot 3\text{Cu(AsO}_2)_2$ |
| | (3) | | | Kompleksi borovega trifluorida z dietiletrom | $(\text{C}_2\text{H}_5)_2\text{O} \cdot \text{BF}_3$ |