

Ejercicios de Formulación Química Inorgánica

Formula las siguientes sustancias:

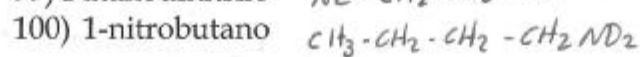
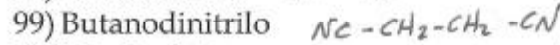
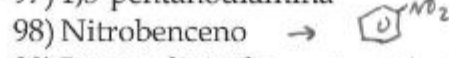
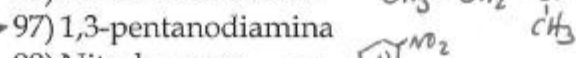
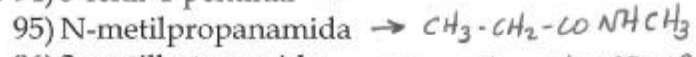
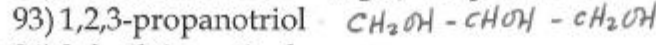
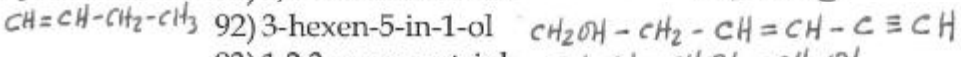
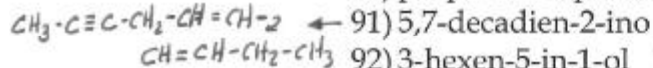
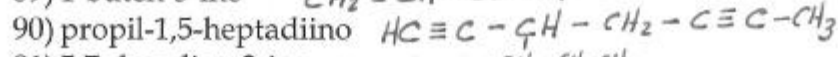
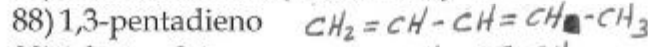
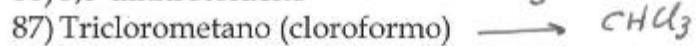
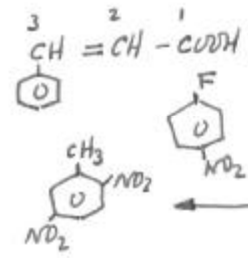
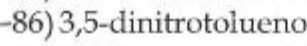
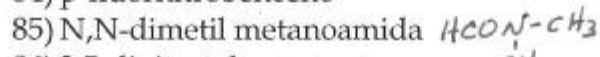
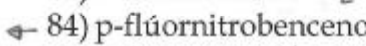
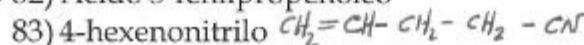
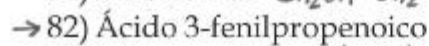
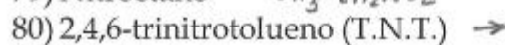
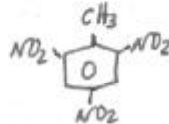
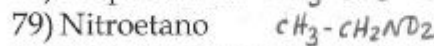
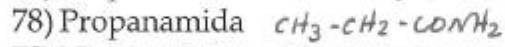
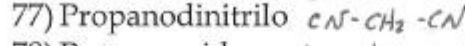
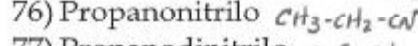
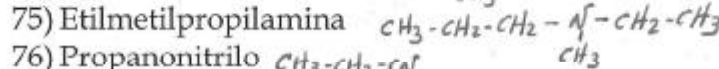
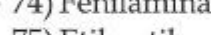
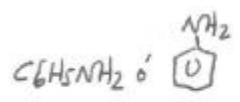
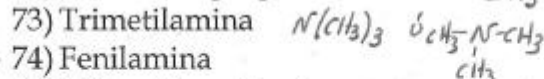
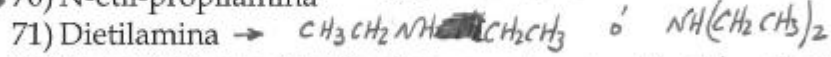
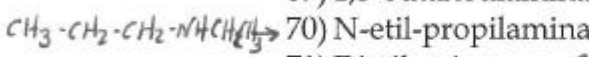
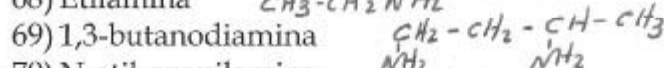
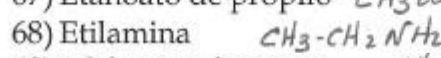
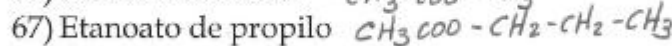
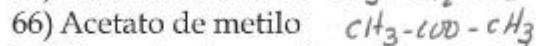
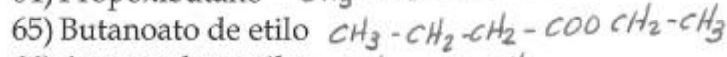
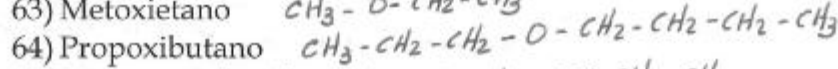
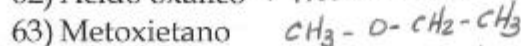
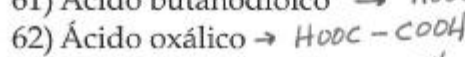
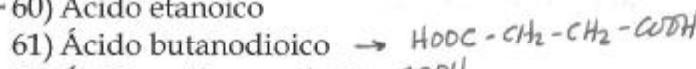
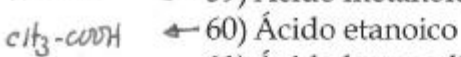
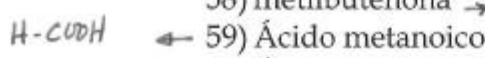
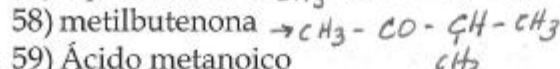
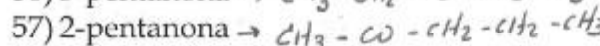
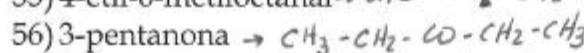
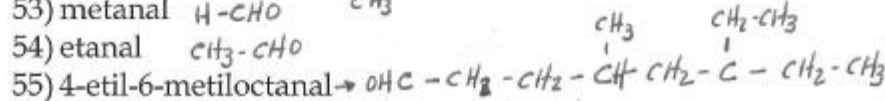
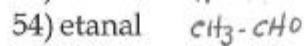
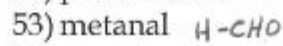
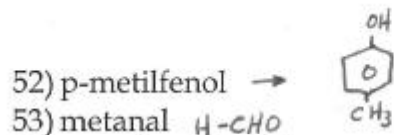
1. Óxido de bario BaO
2. Óxido de sodio Na_2O
3. Anhídrido sulfuroso SO_2
4. Óxido de plata Ag_2O
5. Óxido de aluminio Al_2O_3
6. Óxido de níquel (III) Ni_2O_3
7. Óxido de cloro (VII) Cl_2O_7
8. Óxido nitroso N_2O
9. Óxido de azufre (VI) SO_3
10. Hidruro de litio LiH
11. Cloruro de cobalto (III) $CoCl_3$
12. Hidruro de plata AgH
13. Ácido bromhídrico HBr
14. Ácido sulfhídrico H_2S
15. Amoníaco NH_3
16. Ácido clorhídrico HCl
17. Peróxido de bario Ba_2O_2
18. Hidruro de calcio CaH_2
19. Peróxido de sodio Na_2O_2
20. Óxido de estroncio SrO
21. Ácido clorhídrico HCl
22. Cloruro de sodio $NaCl$
23. Fluoruro de calcio CaF_2
24. Yoduro de plomo (II) PbI_2
25. Bromuro potásico KBr
26. Arsenamina AsH_3
27. Sulfuro de bario BaS
28. tricloruro de arsénico $AsCl_3$
29. Peróxido de litio Li_2O_2
30. Sulfuro de hierro (II) FeS
31. Ácido nítrico HNO_3
32. Ácido carbónico H_2CO_3
33. Ácido perclórico $HClO_4$
34. Ácido fosfórico H_3PO_4
35. Ácido metafosfórico HPO_3
36. Ácido sulfhídrico H_2S
37. Ácido sulfúrico H_2SO_4
38. Ácido hipoyodoso HIO
39. Hidruro de magnesio MgH_2
40. Ácido silícico $\left\{ \begin{array}{l} H_2SiO_3 \\ H_4SiO_4 \end{array} \right.$
41. Hidróxido de calcio $Ca(OH)_2$
42. Hidróxido de hierro (III) $Fe(OH)_3$
43. Ácido nitroso HNO_2
44. Hidróxido de aluminio $Al(OH)_3$
45. Bromuro de cobalto (II) $CoBr_2$
46. Hidróxido de potasio KOH
47. Sulfato de calcio $CaSO_4$
48. Cloruro de cobalto (III) $CoCl_3$
49. Nitrito de litio $LiNO_2$
50. Carbonato sódico Na_2CO_3
51. Cloruro potásico KCl
52. Sulfuro de zinc ZnS
53. Hipoyodito potásico KIO
54. Fosfato cálcico $Ca_3(PO_4)_2$
55. Hidrogenocarbonato potásico $KHCO_3$
56. Hidrógeno sulfato de litio $LiHSO_4$
57. Peróxido de plata Ag_2O_2
58. Hidrógeno ortoarseniato de potasio K_2HAsO_4
59. Ácido hiponitroso HNO
60. Ácido trioxonítrico (V) HNO_3
61. Tetraoxomanganato(VI) de hidrógeno H_2MnO_4
62. Ácido heptaoxidocrómico(VI) $H_2Cr_2O_7$
63. dioxonitrato(III) de hidrógeno HNO_2
64. Clorato potásico $KClO_3$
65. Perclorato amónico NH_4ClO_4
66. Tetraoxosulfato(VI) de hierro(III) $Fe_2(SO_4)_3$
67. Sulfito de cobre(I) Cu_2SO_3
68. Óxido Nítrico NO
69. Bromuro de escandio $ScBr_3$
70. Fluoruro de hierro(III) FeF_3
71. Carburo de aluminio Al_4C_3
72. Nitruro de litio Li_3N
73. Arseniuro de Galio $GaAs$
74. Cloruro de oxovanadio(V)
75. Sulfato de dioxovanadio(V)
76. Sulfato de dioxouranio(VI)
77. Hipoclorito de sodio $NaClO$
78. ácido cloroso $HClO_2$
79. Ácido tiosulfúrico $H_2S_2O_3$
80. Hidróxido de escandio $Sc(OH)_3$

Pon nombre a los siguientes compuestos:

- | | | | |
|--|----------------------|--|--------------------------------|
| 1. BaO | Óxido de Bario | 41. Al(OH) ₃ | Hidróxido de Aluminio |
| 2. Na ₂ O | óxido de sodio | 42. KOH | Hidróxido potásico |
| 3. SO ₂ | Dióxido de Azufre | 43. CaSO ₄ | Sulfato de calcio |
| 4. CaO | Óxido de calcio | 44. Al ₂ (SiO ₃) ₃ | metasilicato de Aluminio |
| 5. Ag ₂ O | Óxido de plata | 45. CoCl ₂ | Cloruro de Cobalto (II) |
| 6. NiO | Óxido níquelato | 46. LiNO ₂ | Nitrato de litio |
| 7. Cl ₂ O ₇ | Anhidrido perclórico | 47. Na ₂ CO ₃ | Carbonato sódico |
| 8. P ₂ O ₅ | Anhidrido fosfórico | 48. Ca ₃ (PO ₄) ₂ | Fosfato de calcio |
| 9. LiH | Hidruro de litio | 49. KHCO ₃ | Hidrógeno carbonato de potasio |
| 10. CaO | Óxido de calcio | 50. ZnCl ₂ | cloruro de zinc |
| 11. AgH | Hidruro de plata | 51. Na ₂ CO ₃ | Carbonato de sodio |
| 12. HBr | Ácido bromhídrico | 52. HgO | Óxido mercurioso |
| 13. H ₂ S | Ácido sulfhídrico | 53. NaOH | Hidróxido de sodio |
| 14. NH ₃ | Amoníaco | 54. CH ₄ | Metano |
| 15. HCl | Ácido clorhídrico | 55. KIO | Hipoyodato de potasio |
| 16. BaO | Óxido de bario | 56. AgClO ₂ | Clorito de plata |
| 17. CaH ₂ | Hidruro de calcio | 57. FeSO ₄ | Sulfato ferroso |
| 18. Na ₂ O ₂ | Peróxido de sodio | 58. H ₂ SeO ₃ | Ácido selenioso |
| 19. PH ₃ | Fosfina. | 59. VOCl ₃ | |
| 20. Cs ₂ O | Óxido de Cesio | 60. (LiO ₂) ₂ SO ₄ | |
| 21. PbI ₂ | Yoduro de plomo (II) | 61. Li ₂ Cr ₂ O ₇ | dicromato de litio |
| 22. KBr | Bromuro potásico | 62. CoSeO ₄ | Selenato cobaltoso |
| 23. AsH ₃ | Arsina | 63. (NH ₄) ₃ AsO ₃ | Arsenito Amónico |
| 24. BaS | Sulfuro de bario | 64. Ca(ClO ₂) ₂ | clorito de calcio |
| 25. AlCl ₃ | Cloruro de Aluminio | 65. PtS ₂ | Sulfuro de platino (IV) |
| 26. Al ₂ S ₃ | Sulfuro de Aluminio | 66. Mn ₂ (SO ₄) ₃ | sulfato de manganeso (III) |
| 27. Li ₂ O | óxido de litio | 67. Pb ₂ As ₂ O ₇ | Diaselenato de plomo (II) |
| 28. FeS | Sulfuro ferroso | 68. NH ₄ NO ₂ | Nitrato Amónico |
| 29. HNO ₃ | Ácido nítrico | 69. CuCO ₃ | Carbonato cúprico |
| 30. H ₂ CO ₃ | Ácido carbónico | 70. Co ₃ (PO ₄) ₂ | Fosfato de cobalto (II) |
| 31. HClO ₄ | Ácido perclórico | 71. Cu(IO ₃) ₂ | Iodato de Cu (II) |
| 32. H ₃ PO ₄ | Ácido fosfórico. | 72. Hg ₂ CrO ₄ | Cromato mercurioso |
| 33. H ₄ P ₂ O ₅ | Ácido difosforico | 73. LiMnO ₄ | Manganato de litio |
| 34. HIO | Ácido hipoyodoso | 74. CdSO ₃ | Sulfato de Cadmio |
| 35. H ₂ S | Ácido sulfhídrico | 75. (NH ₄) ₂ Cr ₂ O ₇ | dicromato Amónico |
| 36. MgH ₂ | Hidruro de magnesio | 76. Cr(NO ₃) ₃ | Nitrato de Cromo (III) |
| 37. H ₂ SiO ₃ | Ácido metasilícico | 77. NaHSe | Hidrógeno selenioso de sodio |
| 38. Ca(OH) ₂ | Hidróxido de calcio | 78. Ca(HSO ₃) ₂ | Hidrógeno sulfato de calcio |
| 39. Fe(OH) ₃ | Hidróxido férrico | 79. KHCO ₃ | Hidrógeno carbonato de potasio |
| 40. HNO ₂ | Ácido nítrico | 80. Ag ₂ TeO ₃ | Telurato de plata. |

FORMÚLA LOS SIGUIENTES COMPUESTOS ORGÁNICOS:

- 1) 3-metil-1-buteno $CH_2 = CH - \overset{CH_3}{CH} - CH_3$
- 2) 1,4-hexadieno $CH_2 = CH - CH_2 - CH = CH - CH_3$
- 3) 2,3-dimetil-1,4-pentadieno $CH_2 = \overset{CH_3}{C} - \overset{CH_3}{C}H - CH = CH_2$
- 4) 4-etil-8,8-dimetil-2,5-decadieno $CH_3 - C \equiv C - CH - C \equiv C - CH_2 - \overset{CH_3}{\underset{CH_3}{C}} - CH_2 - CH_3$
- 5) 2-hexen-4-ino $CH_3 - CH = CH - C \equiv C - CH_3$
- 6) 6-decen-1,4-diino $CH \equiv C - CH_2 - C \equiv C - CH = CH - CH_2 - CH_2 - CH_3$
- 7) 1-pentino $CH \equiv C - CH_2 - CH_2 - CH_3$
- 8) 5-etil-2,3,6-tetrametil-4-propiloctano $CH_3 - \overset{CH_3}{C}H - \overset{CH_3}{C}H - \overset{CH_3}{C}H - \overset{CH_3}{C}H - CH_2 - CH_2 - CH_3$
- 9) 3-etil-3-metil-1,4-undecadien-6,10-diino $CH_2 = CH - \overset{CH_3}{C} - CH = CH - C \equiv C - CH_2 - CH_2 - C \equiv C - CH_3$
- 10) 2-fenil-4-metilhexano $CH_3 - CH - CH_2 - CH - CH_2 - CH_3$ (with phenyl ring on C2 and methyl on C4)
- 11) 4,6-difenil-1-octeno $CH_2 = CH - CH_2 - CH - CH_2 - CH - CH_2 - CH_3$ (with phenyl rings on C4 and C6)
- 12) 4-metil-1-penteno $CH_2 = CH - CH_2 - CH - CH_3$ (with methyl on C4)
- 13) 2-metil-1,4-pentanodiol $CH_2OH - \overset{CH_3}{C}H - CH_2 - CHOH - CH_3$
- 14) 2-ciclohexil-5-metil-4-ciclopropilhexano $CH_3 - CH - CH_2 - CH - CH - CH_3$ (with cyclohexyl on C2, methyl on C5, and cyclopropyl on C4)
- 15) 1,3,5-hexatrieno $CH_2 = CH - CH = CH - CH = CH_2$
- 16) 1,3,5-trietilbenceno C_6H_6 (with ethyl groups at positions 1, 3, and 5)
- 17) Dimetilpropanodial $HOC - \overset{CH_3}{C} - CHO$
- 18) Butanoato de fenilo $CH_3 - CH_2 - CH_2 - COO - C_6H_5$
- 19) Etilmetiléter $CH_3 - CH_2 - O - CH_3$
- 20) Metanodiamina $NH_2 - CH_2 - NH_2$
- 21) 1,4-difenil-3-metilpentano $CH_3 - CH_2 - CH - CH - CH_2 - CH_3$ (with phenyl rings on C1 and C4, and methyl on C3)
- 22) 1,3-dinitrobenzono C_6H_4 (with nitro groups at positions 1 and 3)
- 23) 1,2-ciclohexanodiol $C_6H_{10}O_2$ (with hydroxyl groups on adjacent carbons of a cyclohexane ring)
- 24) 2-fenil-3-hexenodial $OHC - CH - CH = CH - CH_2 - CHO$ (with phenyl ring on C2)
- 25) pentilciclohexano C_6H_{11} (with a pentyl group attached to a cyclohexane ring)
- 26) 2-metil-2,4-heptadieno $CH_3 - C = CH - CH = CH - CH_2 - CH_3$ (with methyl on C2)
- 27) 4-penten-2-ona $CH_3 - CO - CH_2 - CH = CH_2$
- 28) fenilpropiléter $C_6H_5 - O - CH_2 - CH_2 - CH_3$
- 29) 3,5,5-trimetil-1-hexino $CH \equiv C - \overset{CH_3}{C}H - CH_2 - \overset{CH_3}{\underset{CH_3}{C}} - CH_3$
- 30) 1,3-pentanodiamina $CH_2 - CH_2 - \overset{NH_2}{CH} - CH_2 - CH_3$
- 31) 1-penten-4-ino $CH_2 = CH - CH_2 - C \equiv CH$
- 32) Ácidododecanodioico $HOO C - (CH_2)_{10} - COOH$
- 33) 6-etil-6-metil-1,4-octadieno $CH \equiv C - CH_2 - C \equiv C - \overset{CH_3}{\underset{CH_2CH_3}{C}} - CH_2 - CH_3$
- 34) propanona $CH_3 - CO - CH_3$
- 35) 1-buten-3-ino $CH_2 = CH - C \equiv CH$
- 36) etilmetiléter $CH_3 - CH_2 - O - CH_3$
- 37) Ácido propanodioico $HOO C - CH_2 - COOH$
- 38) Ácido propinoico $CH \equiv C - COOH$
- 39) Ácido 2-butenico $CH_3 - CH = CH - COOH$
- 40) 1,3,5-tribromociclohexano $C_6H_3Br_3$ (with bromine atoms at positions 1, 3, and 5)
- 41) 1-etil-1-metilciclobutano C_4H_8 (with ethyl and methyl groups on the same carbon of a cyclobutane ring)
- 42) 2,6-dimetilfenol C_6H_4 (with methyl groups at positions 2 and 6, and a hydroxyl group at position 1)
- 43) 3-bromopropanal $Br - CH_2 - CH_2 - CHO$
- 44) 1,3-ciclohexadieno C_6H_8 (with double bonds at positions 1 and 3)
- 45) 1,4-cicloheptadieno C_7H_{10} (with double bonds at positions 1 and 4)
- 46) Tolueno $C_6H_5 - CH_3$
- 47) M-dimetilbenceno C_6H_4 (with methyl groups at positions 1 and 3)
- 48) 4-fenil-7-metil-5-octen-2-ino $CH_3 - C \equiv C - CH - CH = CH - \overset{CH_3}{C}H - CH_3$ (with phenyl ring on C4 and methyl on C7)
- 49) 5-metil-3-hexanol $CH_3 - CH_2 - CH_2OH - CH_2 - \overset{CH_3}{CH} - CH_3$
- 50) 2-etil-5-metil-1,4-heptanodiol $CH_2OH - CH - CH_2 - CH - CH_2 - CH_3$ (with ethyl on C2 and methyl on C5)
- 51) 3-metil-2-hepten-4-in-1-ol $CH_2OH - CH = \overset{CH_3}{C} - C \equiv C - CH_2 - CH_3$



NOMBRA LOS SIGUIENTES COMPUESTOS ORGÁNICOS

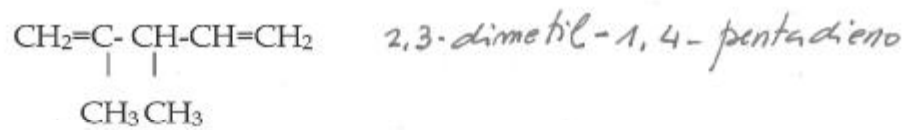
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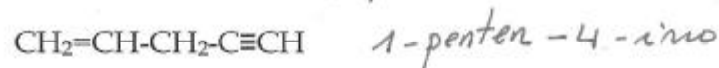
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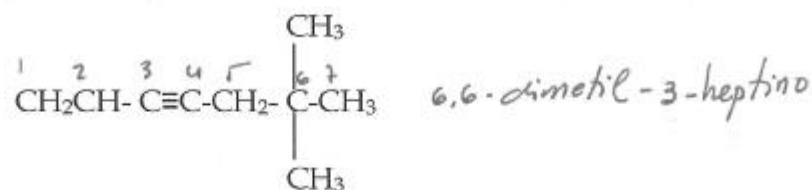
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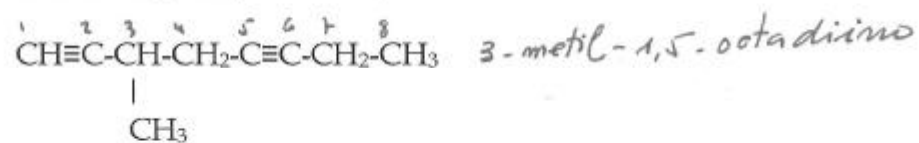
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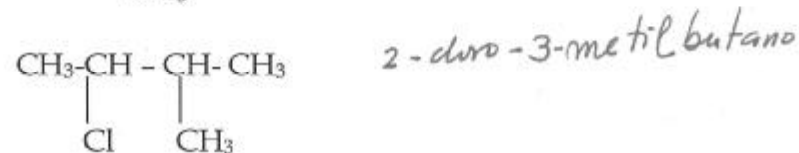
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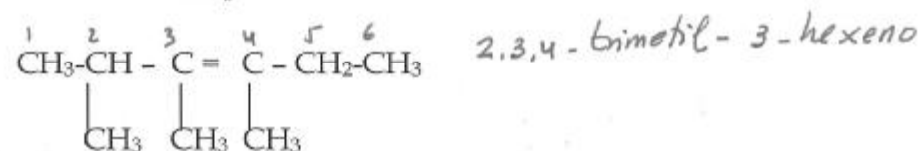
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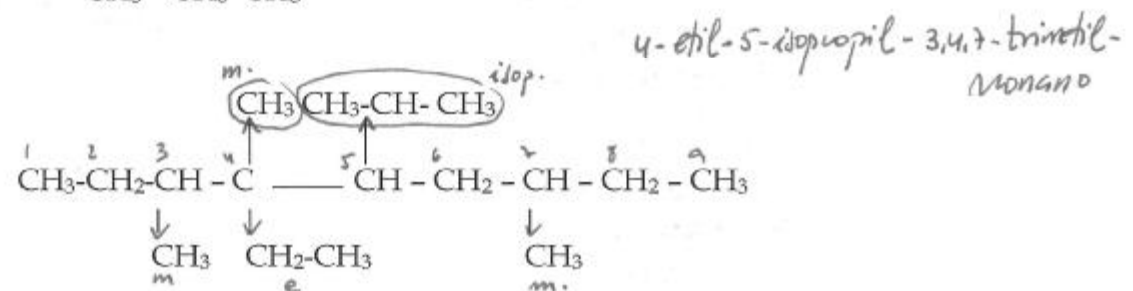
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10)



11)



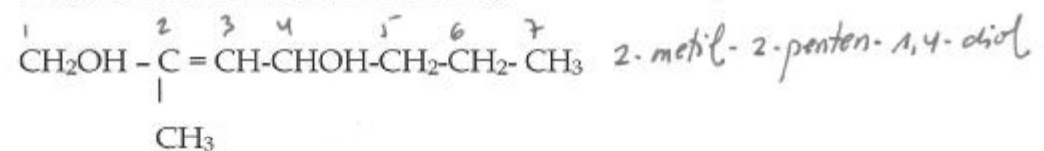
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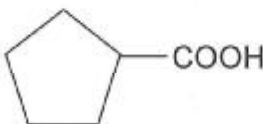
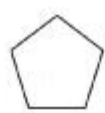


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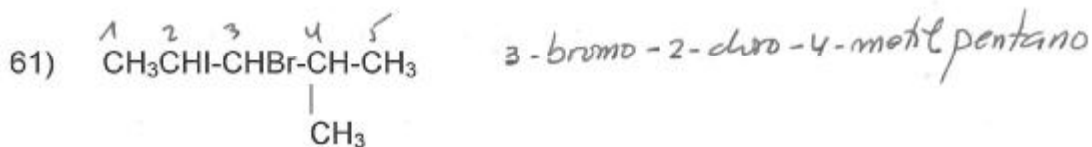
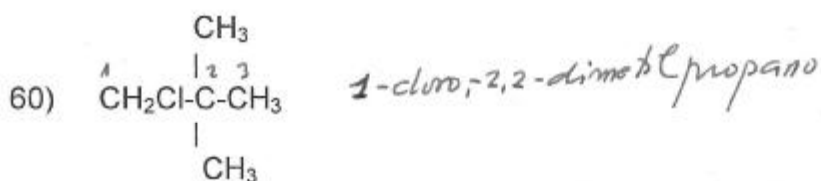
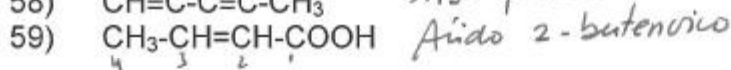
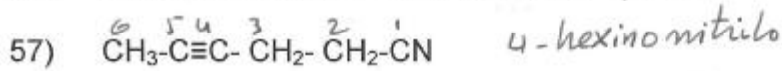
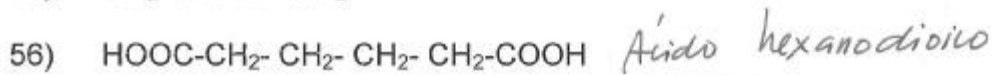
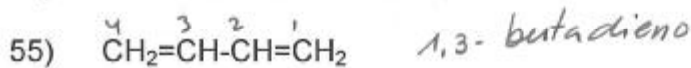
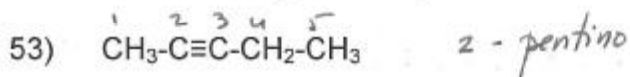
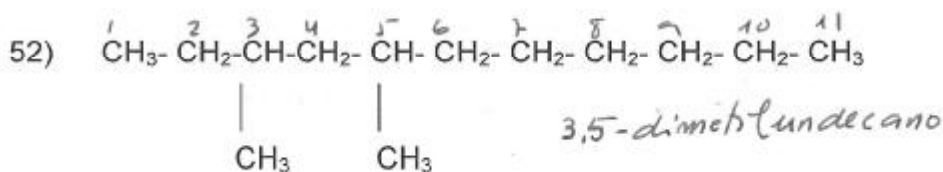
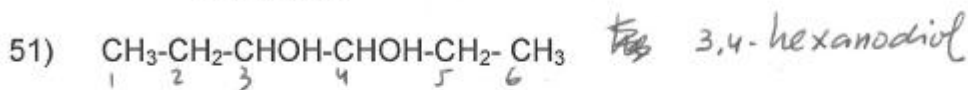
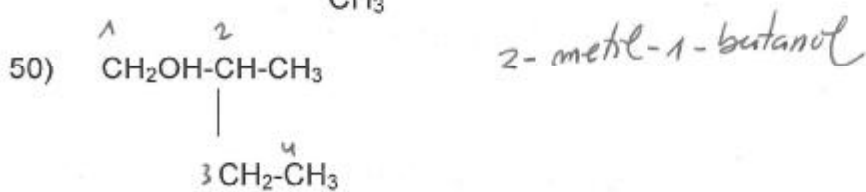
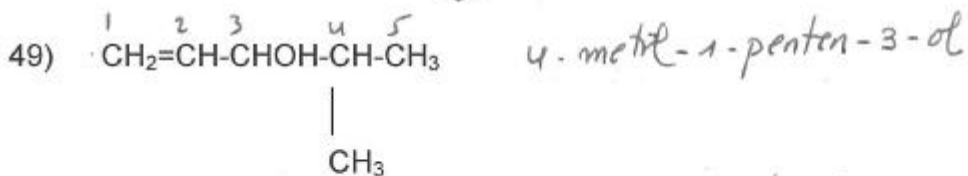
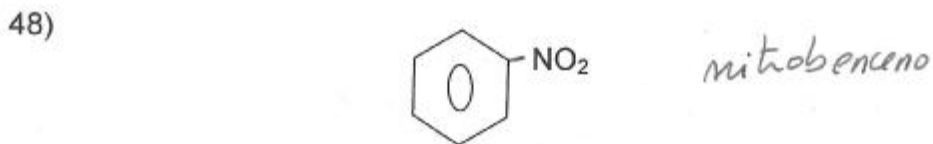
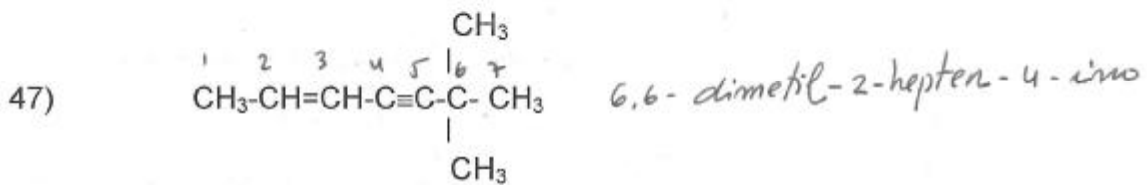


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


- 15) $\overset{6}{\text{CH}_3}-\overset{5}{\text{C}}\equiv\overset{4}{\text{C}}-\overset{3}{\text{CH}_2}-\overset{2}{\text{CH}_2}-\overset{1}{\text{COOH}}$ *Acido 4-hexinoico*
- 16) $\overset{1}{\text{CH}_3}-\overset{2}{\underset{\text{Cl}}{\text{CH}}}-\overset{3}{\underset{\text{CH}_3}{\text{CH}}}-\overset{4}{\text{CH}_3}$ *2-cloro-3 metil-butano*
- 17) $\overset{1}{\text{CH}_2\text{OH}}-\overset{2}{\underset{\text{CH}_3}{\text{CH}}}-\overset{3}{\underset{\text{CH}_3}{\overset{\text{CH}_3}{\text{C}}}}-\overset{4}{\text{CH}_3}$ *2,3,3-trimetil-1-butanol*
- 18) $\text{CH}_2\text{OH}-\text{CHOH}-\text{CH}_2\text{OH}$ *1,2,3-propanotriol*
- 19) $\overset{1}{\text{CH}_3}-\overset{2}{\underset{\text{CH}_3}{\text{COH}}}-\overset{3}{\text{CHOH}}-\overset{4}{\text{CH}_2}-\overset{5}{\text{CH}_2}-\overset{6}{\text{CH}_3}$ *2-metil-2,3-hexanodiol*
- 20)  *Acido ciclopentanocarboxílico.*
- 21) $\overset{1}{\text{CH}_2\text{OH}}-\overset{2}{\underset{\text{CH}_2-\text{CH}_3}{\text{CH}}}-\overset{3}{\text{CH}}=\overset{4}{\text{CH}}-\overset{5}{\text{CH}_3}$ *2-metil-4-penten-1-ol*
- 22) $\overset{1}{\text{CH}_3}-\overset{2}{\text{CH}_2}-\overset{3}{\underset{\text{CH}_3}{\text{CH}}}-\overset{4}{\underset{\text{CH}_2}{\overset{\text{CH}_3}{\text{C}}}}-\overset{5}{\text{C}}-\overset{6}{\underset{\text{CH}_2-\text{CH}_2-\text{CH}_3}{\text{C}}}-\overset{7}{\text{CH}_2}-\overset{8}{\text{CH}_2}-\overset{9}{\text{CH}_2}-\overset{10}{\text{CH}_3}$ *4-etil-5-isopropil-3,4-dimetil-5-propil-nonano.*
- 23) $\overset{5}{\text{CH}_3}-\overset{4}{\text{CH}_2}-\overset{3}{\underset{\text{CH}_3}{\text{CH}}}-\overset{2}{\text{CH}_2}-\overset{1}{\text{CHO}}$ *3-metilpentanal*
- 24)  *ciclopentilamina.*
- 25) $\text{CONH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CONH}_2$ *pentanodiamida.*
- 26) $\text{CONH}_2-\text{CH}=\text{CH}-\text{CONH}_2$ *2-butenodiamida.*
- 27) $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CN}$ *butanonitrilo*
- 28) $\text{CH}_2=\text{CH}-\text{CN}$ *2-propenonitrilo ó cianuro de vinilo*
- 29) $\overset{1}{\text{CH}_2}=\overset{2}{\text{CH}}-\overset{3}{\text{CH}_2}-\overset{4}{\text{CH}}=\overset{5}{\text{CH}}-\overset{6}{\text{CH}_2}-\overset{7}{\text{CH}_2}-\overset{8}{\text{CH}_2}-\overset{9}{\text{C}}\equiv\overset{10}{\text{C}}-\overset{11}{\text{CH}_3}$ *1,4-undecadien-9-ino*

- 30) $\text{CH}_3\text{-NH-C}\equiv\text{C-CH}_2\text{-CH}_3$ ~~2~~ N-metil-1-butiramina
- 31) $\overset{5}{\text{CH}_3}\text{-}\overset{4}{\text{CH}}\text{=}\overset{3}{\text{CH}}\text{-}\overset{2}{\text{CH}_2}\text{-}\overset{1}{\text{CONH}_2}$ 3-pentenamida
- 32) $\overset{1}{\text{CH}_2\text{OH}}\text{-}\overset{2}{\text{CH}}\text{=}\overset{3}{\text{CH}}\text{-}\overset{4}{\text{CH}}\text{-}\overset{5}{\text{CH}_2\text{OH}}$ 4-propil-3-penten-1,5-diol
|
 $\text{CH}_2\text{-CH}_2\text{-CH}_3$
- 33) $\text{CONH}_2\text{-CONH}_2$ etanodiamida
- 34) $\overset{1}{\text{CN}}\text{-}\overset{2}{\text{CH}_2}\text{-}\overset{3}{\text{CH}}\text{=}\overset{4}{\text{CH}}\text{-}\overset{5}{\text{CH}_3}$ 3-pentenonitrilo.
- 35) $\overset{2}{\text{ON-CH-NO}_2}$ ~~2~~ trinitrometano
|
 NO_2
- 36) $\overset{\text{CH}_3}{\text{CH}_3\text{-N-CH}_2\text{-CH}_3}$ N,N-dimetiletilamina
- 37) $\overset{4}{\text{CH}_2}\text{=}\overset{3}{\text{CH}}\text{-}\overset{2}{\underset{\text{CH}_3}{\text{CH}}}\text{-}\overset{1}{\text{CHO}}$ 2-metil-3-pentenal
- 38) $\text{CH}_2\text{Cl-CO-CH}_2\text{Cl}$ 1,3-didoroopropanona
- 39) $\overset{1}{\text{CH}_3}\text{-}\overset{2}{\text{CO}}\text{-}\overset{3}{\text{CH}_2}\text{-}\overset{4}{\underset{\text{CH}_3}{\text{CH}}}\text{-}\overset{5}{\text{CH}_3}$ 4-metil-2-pentanona
- 40) $\overset{5}{\text{CH}}\equiv\overset{4}{\text{C}}\text{-}\overset{3}{\text{C}}\equiv\overset{2}{\text{C}}\equiv\overset{1}{\text{CH}}$ ~~2~~ CH₃≡C-C≡C-C≡CH 1,3,5-hexatrieno
- 41) $\text{CH}_3\text{CH}_2\text{-COO-CH}_2\text{-CH}_2\text{-CH}_3$ propanoato de propilo
- 42) $\overset{5}{\text{CH}_3}\text{-}\overset{4}{\text{CH}_2}\text{-}\overset{3}{\underset{\text{CH}_3}{\text{C}}}\text{-}\overset{2}{\text{CH}_2}\text{-}\overset{1}{\text{CONH}_2}$ 3,3-dimetilpentanamida
- 43) $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-O-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_2\text{-CH}_3$ hexilpentil eter
- 44) $\overset{1}{\text{CH}_3}\text{-}\overset{2}{\underset{\text{CH}_3}{\text{C}}}\text{-}\overset{3}{\text{C}}\equiv\overset{4}{\text{C}}\text{-}\overset{5}{\text{CH}_2}\text{-}\overset{6}{\underset{\text{CH}_3}{\text{CH}}}\text{-}\overset{7}{\text{CH}_3}$ 2,2,6-trimetil-3-heptino
- 45) $\text{CH}_3\text{-CH}_2\text{-CH}_2\text{-}\overset{\text{CH}_2\text{-CH}_3}{\text{N}}\text{-CH}_2\text{-CH}_3$ N,N-dietylpropilamina
- 46) $\overset{6}{\text{CH}_3}\text{-}\overset{5}{\text{C}}\equiv\overset{4}{\text{C}}\text{-}\overset{3}{\text{C}}\equiv\overset{2}{\text{C}}\text{-}\overset{1}{\text{CH}_3}$ 1,4-hexadieno



- 62) $\overset{1}{\text{CH}_2\text{OH}}-\overset{2}{\text{CH}}=\overset{3}{\text{COH}}-\overset{4}{\underset{\text{CH}_3}{\text{CH}}}-\overset{5}{\text{COH}}=\overset{6}{\text{CH}}-\overset{7}{\text{C}}\equiv\overset{8}{\text{C}}-\overset{9}{\text{CH}_2}-\overset{10}{\text{CH}_3}$ 4-metil-2,5-decadien-7in-1,3-diol
- 63) $\text{CH}_3-\overset{2}{\underset{\text{NH}_2}{\text{CH}}}-\overset{3}{\underset{\text{CH}_3}{\text{C}}}-\text{CH}_3$ 3,3-dimetil-2-amino-butano
- 64) $\overset{1}{\text{CH}_2\text{NH}_2}-\overset{2}{\text{CH}_2}-\overset{3}{\text{CHNH}_2}-\overset{4}{\text{CH}_2}-\overset{5}{\text{CH}_2}-\overset{6}{\text{CH}_2\text{NH}_2}$ 1,3,6-hexanotriamina
- 65) $\text{NC}-\text{CH}_2-\text{CN}$ propanodinitrilo
- 66) $\text{HCOO}-\text{CH}_2-\text{CH}_2-\underset{\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3}{\text{CH}}-\text{CH}_2-\text{CH}_2-\text{COOH}$ Àcido 4-butilheptanodivico
- 67) $\overset{4}{\text{CH}_2}=\overset{3}{\text{CH}}-\overset{2}{\underset{\text{CH}_3}{\text{CH}}}-\overset{1}{\text{CN}}$ 2-metil-3-butenonitrilo
- 68) $\overset{6}{\text{CHO}}-\overset{5}{\text{CH}_2}-\overset{4}{\text{CH}_2}-\overset{3}{\text{CH}}=\overset{2}{\text{CH}}-\overset{1}{\text{CHO}}$ 2-hexenodial
- 69) $\overset{1}{\text{CHO}}-\overset{2}{\text{CH}_2}-\overset{3}{\underset{\triangle}{\text{C}}}-\overset{4}{\text{CH}}-\overset{5}{\text{C}}\equiv\text{CH}$ 3-ciclopropil-4-pentinal
- 70) $\overset{6}{\text{CH}_3}-\overset{5}{\text{CH}_2}-\overset{4}{\text{CH}}=\overset{3}{\text{CH}}-\overset{2}{\underset{\text{CH}_2-\text{CH}_3}{\text{CH}}}-\overset{1}{\text{COOH}}$ Àcido 2-etil-3-hexenovico
- 71) $\overset{1}{\text{CHO}}-\overset{2}{\text{C}}\equiv\overset{3}{\text{C}}-\overset{4}{\text{CH}_2}-\overset{5}{\text{CHO}}$ 2-pentenodial
- 72) $\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{O}-\text{CH}_2-\text{CH}_3$ etilpropiléter
- 73) $\text{H}-\text{C}\equiv\text{N}$ Àcido cianhídrico ó Cianuro de hidrófeno
- 74) $\text{CHO}-\text{CH}=\text{CH}-\text{CHO}$ 2-pentenodial
- 75) $\overset{1}{\text{COOH}}-\overset{2}{\text{CH}_2}-\overset{3}{\underset{\text{CH}_3}{\text{CH}}}-\overset{4}{\text{CH}_2}-\overset{5}{\text{CH}_2}-\overset{6}{\text{CH}_2}-\overset{7}{\text{COOH}}$ Àcido 3-metilheptanodivico
- 76) $\text{CH}_3-\text{CH}_2-\underset{\text{NO}_2}{\text{CH}}-\text{CH}_3$ 2-nitrobutano
- 77) $\overset{1}{\text{CH}_3}-\overset{2}{\text{CH}}-\overset{3}{\text{CO}}-\overset{4}{\text{CH}_2}-\overset{5}{\text{CO}}-\overset{6}{\text{CH}_2}-\overset{7}{\text{CH}_2}-\overset{8}{\text{CH}_3}$ 2-metil-3,5-octanodiona
- 78) $\overset{1}{\text{COOH}}-\overset{2}{\text{CH}}=\overset{3}{\text{CH}}-\overset{4}{\text{CH}}=\overset{5}{\text{CH}}-\overset{6}{\text{CH}_2}-\overset{7}{\text{CH}_2}-\overset{8}{\text{C}}\equiv\overset{9}{\text{C}}-\overset{10}{\text{COOH}}$ Àcido 2,4-decadien-8-ino-divico
- 79) $\text{CH}_3-\text{COO}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3$ } etanoato de butilo
 } Acetato de butilo

- 80) $\text{CH}_3\text{-COO-CH}_2\text{-CH}_3$ Etanoato de metilo
Acetato de metilo
- 81) $\text{CH}_3\text{-CHBr-CH}_3$; 2-bromoetano
- 82) $\overset{5}{\text{CH}_3}\text{-}\overset{4}{\text{CH}_2}\text{-}\overset{3}{\text{CH}}=\overset{2}{\text{CH}}\text{-}\overset{1}{\text{CH}_3}$ 2-penteno
- 83) $\overset{1}{\text{CH}_3}\text{-}\overset{2}{\text{C}}\equiv\overset{3}{\text{C}}\text{-}\overset{4}{\text{CH}_2}\text{-}\overset{5}{\text{CH}_3}$ 2-pentino
- 84) $\overset{6}{\text{CH}_3}\text{-}\overset{5}{\text{C}}\equiv\overset{4}{\text{C}}\text{-}\overset{3}{\text{CH}}=\overset{2}{\text{CH}}\text{-}\overset{1}{\text{CH}_2}\text{OH}$ 2-hexen-4-in-1-ol
- 85) $\overset{1}{\text{CH}_3}\text{-}\overset{2}{\text{CHOH}}\text{-}\overset{3}{\text{CH}}=\overset{4}{\text{CH}_2}$ 3-buten-2-ol
- 86) $\text{CH}_3\text{-CO-CH}_2\text{-CH}_2\text{-CO-CH}_3$ 2,5-hexanodiona
- 87) $\overset{1}{\text{CH}}=\overset{2}{\text{C}}\text{-}\overset{3}{\text{CH}}=\overset{4}{\text{CH}}\text{-}\overset{5}{\text{C}}\equiv\overset{6}{\text{C}}\text{-}\overset{7}{\text{CH}_2}\text{-}\overset{8}{\text{CH}_3}$ 3-octen-1,5-dieno
- 88) $\overset{1}{\text{CHO}}\text{-}\overset{2}{\text{CH}}=\overset{3}{\text{CH}}\text{-}\overset{4}{\text{CH}_2}\text{-}\overset{5}{\text{CHO}}$ 3-pentenodial
- 89) $\text{CH}_3\text{-NH-CH}_2\text{-CH}_3$ N-metil etilamina
- 90) $\overset{6}{\text{CH}_3}\text{-}\overset{5}{\text{C}}\equiv\overset{4}{\text{C}}\text{-}\overset{3}{\text{CH}}=\overset{2}{\text{CH}}\text{-}\overset{1}{\text{CH}_2}\text{OH}$ 2-hexen-4-in-1-ol
- 91) $\text{CH}_3\text{-CH}_2\text{-O-CH}_3$ etil metil eter
- 92) $\overset{5}{\text{CH}_3}\text{-}\overset{4}{\text{CHOH}}\text{-}\overset{3}{\text{CH}_2}\text{-}\overset{2}{\text{CH}_2}\text{-}\overset{1}{\text{CH}_2}\text{OH}$ 1,4-pentanodiol
- 93) $\overset{5}{\text{COOH}}\text{-}\overset{4}{\text{CH}_2}\text{-}\overset{3}{\text{CH}}=\overset{2}{\text{CH}}\text{-}\overset{1}{\text{COOH}}$ Ácido 2-pentenodivico
- 94) $\overset{1}{\text{CHO}}\text{-}\overset{2}{\text{CH}}=\overset{3}{\text{CH}}\text{-}\overset{4}{\text{CH}_3}$ 2-butenal
- 95) $\overset{1}{\text{CH}_3}\text{-}\overset{2}{\text{CHOH}}\text{-}\overset{3}{\text{CH}}=\overset{4}{\text{CH}_2}$ 3-buten-2-ol
- 96) $\text{C}_6\text{H}_5\text{-CH}_3$ metilbenceno ó tolueno 
- 97) $\text{CH}_3\text{-NH-CH}_3$ dimetilamina
- 98) $\overset{1}{\text{CHO}}\text{-}\overset{2}{\text{CH}_2}\text{-}\overset{3}{\text{CH}_2}\text{-}\overset{4}{\text{CH}}=\overset{5}{\text{CH}}\text{-}\overset{6}{\text{CH}}\text{-}\overset{7}{\text{CH}_3}$ 6-fenil-4-heptenal
|
 C_6H_5
- 99) $\text{CH}_3\text{-CH}_2\text{-COO-C}_6\text{H}_5$ propanoato de fenilo
- 100) $\text{CH}_3\text{-COOH}$ Ácido etanoico ó Ácido acético.