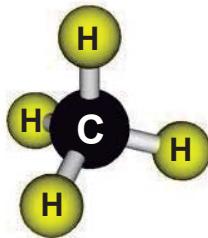


# Formulación Orgánica

## 100 Ejercicios



IES Padre Manjón  
Prof: Eduardo Eisman

### Ejercicios de Formulación Orgánica

1. Buta-1,3-dieno

1.  $CH_2 = CH - CH = CH_3$

2. Propano

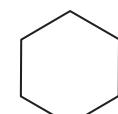
2.  $CH_3 - CH_2 - CH_3$

3. 4-etilhepta-1,3-dien-5-ino

3.  $CH_2 = CH - CH = C \equiv C - CH_3$   
 $\quad\quad\quad\quad\quad |$   
 $\quad\quad\quad\quad\quad CH_2 - CH_3$

4. Ciclohexano

4.

$$\begin{array}{c} CH_2 \\ \diagup \quad \diagdown \\ H_2C - C - CH_2 \\ | \quad | \\ H_2C - C - CH_2 \\ | \\ CH_2 \end{array}$$


5. Ciclobutino

5.

$$\begin{array}{c} C \equiv C \\ | \quad | \\ H_2C - C - CH_2 \end{array}$$


6. 3-clorobutan-1-ol

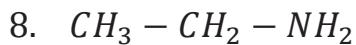
6.  $CH_3 - CHCl - CH_2 - CH_2OH$

7. Etanoamida

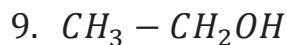
7.  $CH_3 - CONH_2$

## Ejercicios de Formulación Orgánica

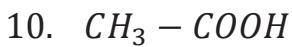
8. Etilamina



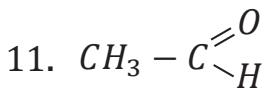
9. Etanol



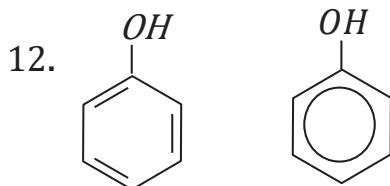
10. Ácido etanoico (acético)



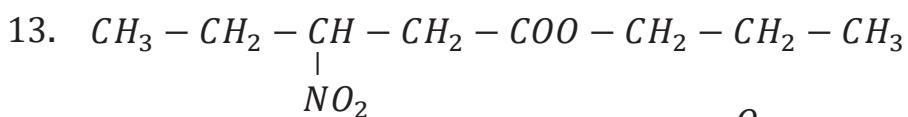
11. Etanal



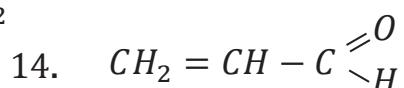
12. Fenol



13. 3-nitro-pentanoato de propilo

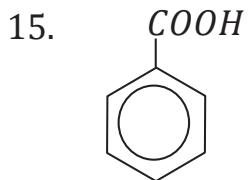


14. Prop-2-enal

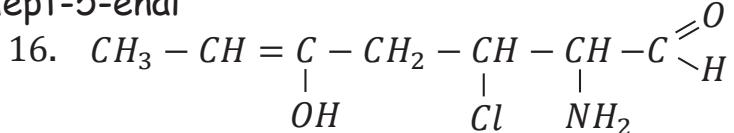


## Ejercicios de Formulación Orgánica

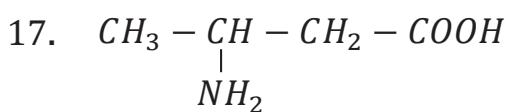
15. Ácido benzoico



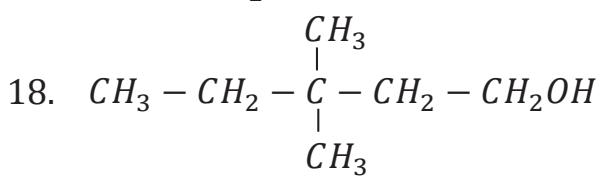
16. 2-amino-3-cloro-5-hidroxihept-5-enal



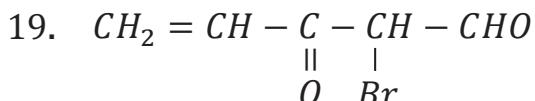
17. Ácido 3-aminobutanoico



18. 3,3-dimetilpentan-1-ol



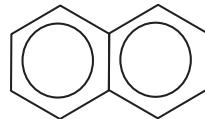
19. 2-bromo-3-oxopent-4-enal



## Ejercicios de Formulación Orgánica

20. Naftaleno

20.



21. Cianuro de etilo

21.  $CH_3 - CH_2 - CN$

22. 3-metoxipentan-2-ona

22.  $CH_3 - CO - \begin{matrix} CH \\ | \\ O - CH_3 \end{matrix} - CH_2 - CH_3$

23. Ciclobuteno

23.  $\begin{matrix} CH = CH \\ | \quad | \\ CH_2 - CH_2 \end{matrix}$



24. 3-metoxipentan-2-ol

24.  $CH_3 - CHO - \begin{matrix} CH \\ | \\ O - CH_3 \end{matrix} - CH_2 - CH_3$

25. Metano

25.  $CH_4$

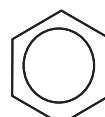
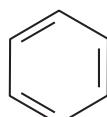
26. 2-cloroetanol

26.  $CH_2Cl - CH_2OH$

## Ejercicios de Formulación Orgánica

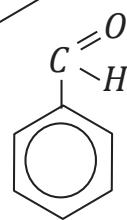
27. Benceno

27.



28. Benzaldehído

28.



29. 3-clorobutan-2-ol

29.  $CH_3 - CHO - CH_2Cl - CH_3$

30. Dimetilamina

30.  $CH_3 - NH - CH_3$

31. 2-nitropentanoato de metilo

31.  $CH_3 - CH_2 - CH_2 - \begin{matrix} CH \\ | \\ NO_2 \end{matrix} - COOCH_3$

32. 5-metilhex-3-enal

32.  $CH_3 - \begin{matrix} CH \\ | \\ CH_3 \end{matrix} - CH = CH - CH_2 - \begin{matrix} C \\ \diagup \\ H \end{matrix} = O$

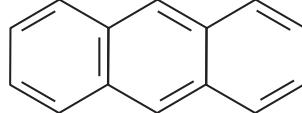
33. 3-ciano-2-nitrooctano

33.  $CH_3 - \begin{matrix} CH \\ | \\ NO_2 \end{matrix} - \begin{matrix} CH \\ | \\ CN \end{matrix} - (CH_2)_4 - CH_3$

## Ejercicios de Formulación Orgánica

34. Ácido 3-hidroxipent-2-enoico      34.  $CH_3 - CH_2 - COH = CH - COOH$
35. Butilamina      35.  $CH_3 - CH_2 - CH_2 - CH_2 - NH_2$
36. Butanoamida      36.  $CH_3 - CH_2 - CH_2 - C \begin{array}{l} \diagup \\ O \\ \diagdown \end{array} NH_2$
37. Etilmetiléter      37.  $CH_3 - CH_2 - O - CH_3$
38. 5-metoxi-3-ciclopropilheptan-2-ona      38.  $CH_3 - CH_2 - \begin{array}{c} CH \\ | \\ O - CH_3 \end{array} - CH_2 - \begin{array}{c} CH \\ | \\ H_2C - CH_2 \end{array} - CH - CO - CH_3$
39. Ácido 2-aminohexanoico      39.  $CH_3 - CH_2 - CH_2 - CH_2 - \begin{array}{c} CH \\ | \\ NH_2 \end{array} - COOH$

## Ejercicios de Formulación Orgánica

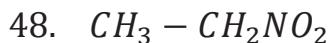
40. Ciclopenta-1,3-dieno      40.  $\begin{array}{c} CH \\ / \quad \backslash \\ H_2C \quad CH \\ \backslash \quad / \\ HC = CH \end{array}$
41. Antraceno      41. 
42. Etanoato de etilo      42.  $CH_3 - COOCH_2 - CH_3$
43. Acetato de propilo      43.  $CH_3 - COOCH_2 - CH_2 - CH_3$
44. Triclorometano      44.  $CHCl_3$
45. 2-amino-5-cloro-3,3-dimetilhexanal      45.  $CH_3 - \begin{array}{c} CH \\ | \\ Cl \end{array} - CH_2 - \begin{array}{c} CH_3 \\ | \\ C \end{array} - \begin{array}{c} CH_3 \\ | \\ NH_2 \end{array} - C \begin{array}{l} \diagup \\ O \\ \diagdown \end{array} H$
46. Pent-1,3-diino      46.  $CH \equiv C - C \equiv C - CH_3$

## Ejercicios de Formulación Orgánica

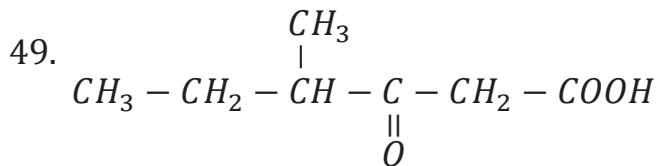
47. Propan-1,2,3-triol



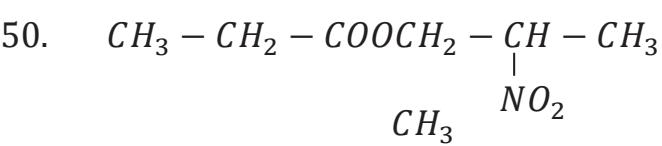
48. Nitroetano



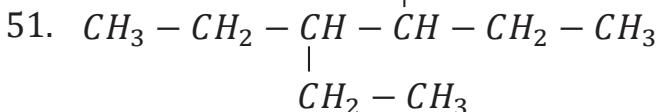
49. Ácido 3-oxo-4-metilhexanoico



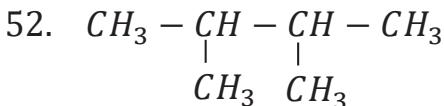
50. Propanoato de 2-nitropropilo



51. 3-etil-4-metilhexano

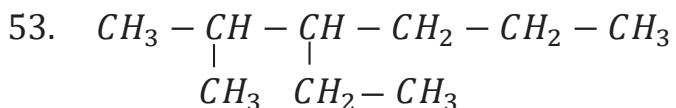


52. 2,3-dimetilbutano



## Ejercicios de Formulación Orgánica

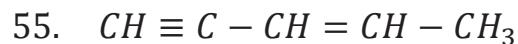
53. 3-etil-2-metilhexano



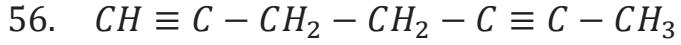
54. Hexa-1,3,5-trieno



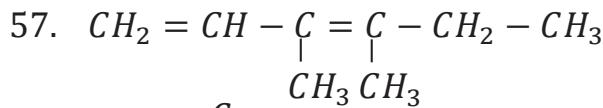
55. Pent-3-en-1-ino



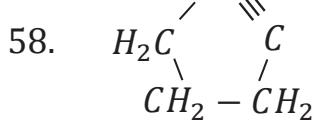
56. Hepta-3,5-diino



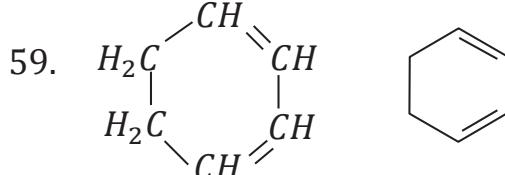
57. 3,4-dimetilhexa-1,3-dieno



58.- Ciclohexino



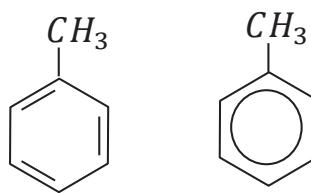
59. Ciclohexa-1,3-dieno



## Ejercicios de Formulación Orgánica

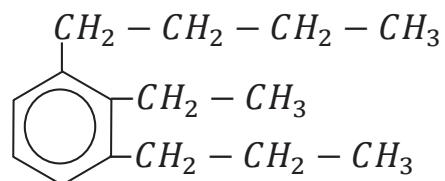
60. Tolueno

60.

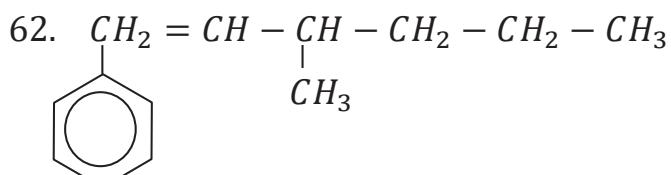


61. 1-butil-2-etil-3-propilbenceno

61.

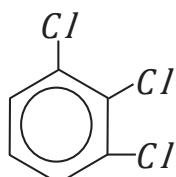


62. 1-fenil-3-metilhex-1-eno



63. 1,2,3-triclorobenceno

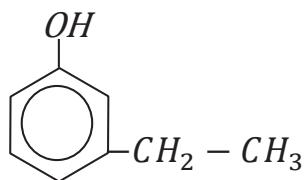
63.



## Ejercicios de Formulación Orgánica

64. 3-etilfenol

64.



65. 1-bromopropan-1-ol

65.



66. Metanal

66.  $\text{HC} \begin{array}{l} \diagup \\ \diagdown \end{array} O$

$H - CHO$

67. Propinal

67.  $CH \equiv C - C \begin{array}{l} \diagup \\ \diagdown \end{array} O$

$CH \equiv C - CHO$

68. hexa-2,4-dienal

68.  $CHO - CH = CH - CH = CH - CH - CHO$

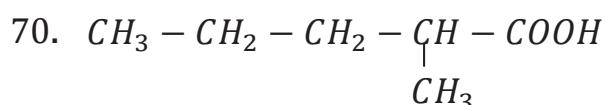
69. metilbutanona

69.  $CH_3 - CO - \begin{array}{l} \diagup \\ \diagdown \end{array} CH - CH_3$

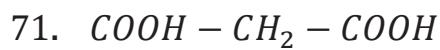
$CH_3$

## Ejercicios de Formulación Orgánica

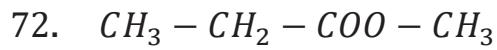
70. Ácido 2-metilpentanoico



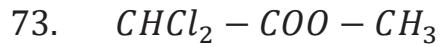
71. Ácido etanodioico



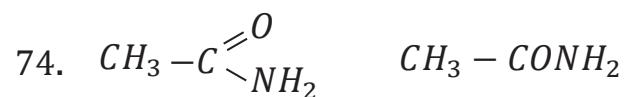
72. Propanoato de metilo



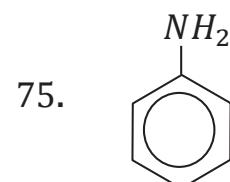
73. Dicloroetanoato de metilo



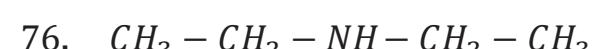
74. Acetamida (etanoamida)



75. Anilina (fenilamina)

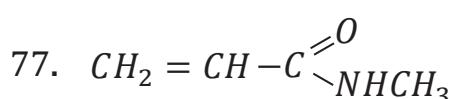


76. Dietilamina



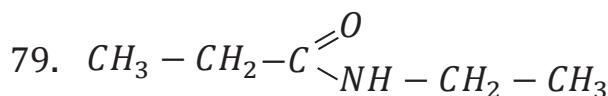
## Ejercicios de Formulación Orgánica

77. N-metilpropenamida

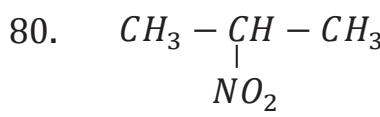


78. Propanonitrilo (cianuro de etilo) 78.  $\text{CH}_3 - \text{CH}_2 - \text{C} \equiv \text{N}$

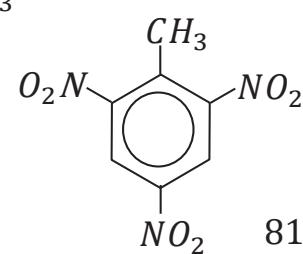
79. N-etilpropanoamida



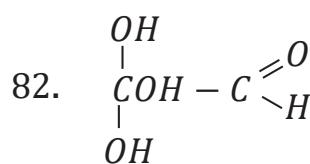
80. 2-nitropropano



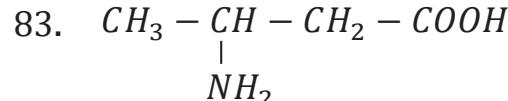
81. 1,3,5-trinitrotolueno (TNT)



82. Trihidroxietanal



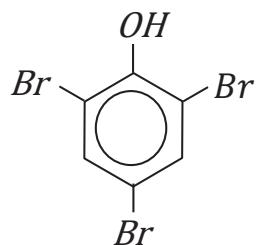
83. Ácido 3-aminobutanoico



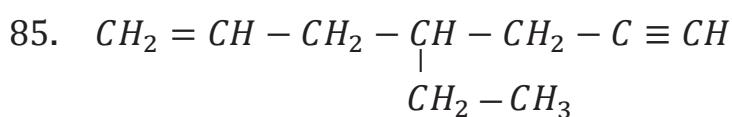
## Ejercicios de Formulación Orgánica

84. 1,3,5-tribromofenol

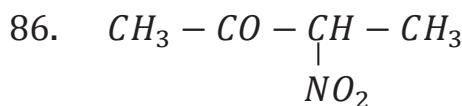
84.



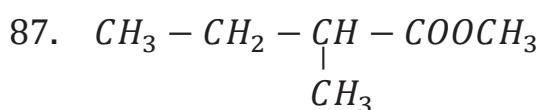
85. 4-etilhept-1-en-6-ino



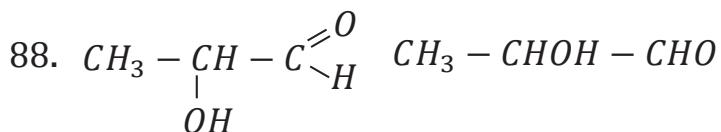
86. 3-nitrobutan-2-ona



87. 2-metilbutanoato de metilo

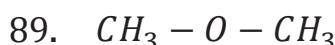


88. 2-hidroxipropanal



## Ejercicios de Formulación Orgánica

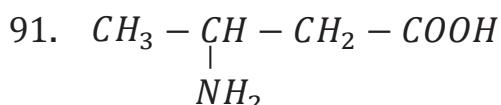
89. Dimetileter



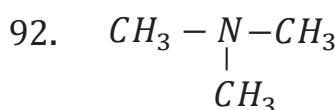
90. 3-clorobut-2-enal



91. Ácido 3-aminobutanoico



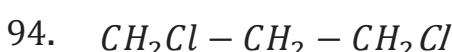
92. Trimetilamina



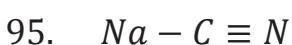
93. 5-oxohex-2-enal



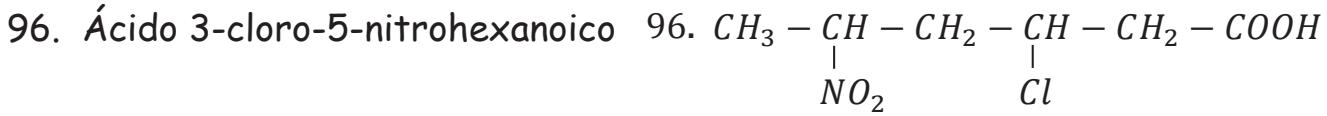
94. 1,3-dicloropropano



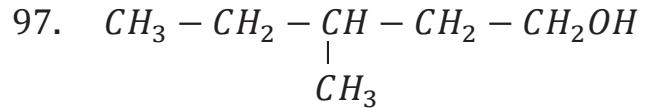
95. Cianuro de sodio



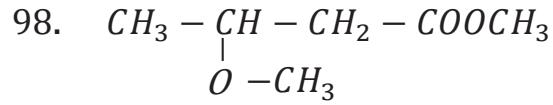
## Ejercicios de Formulación Orgánica



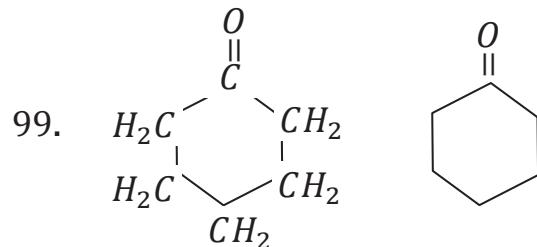
97. 3-metilpentan-1-ol



98. 3-metoxi-butanoato de metilo



99. Ciclohexanona



100. Ácido acético

