Química orgánica

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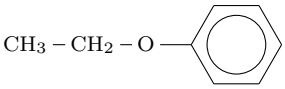
1 OXF15

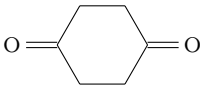
Formula los siguientes compuestos:

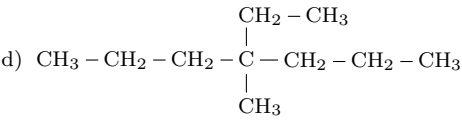
a) 2-metilbutan-2-ol
b) Etilfeniléter
c) Ciclohexano-1,4-diona
d) 4-etil-4-metilheptano
e) Octa-2,4-dieno
f) 3-etilocta-7,5-diino
g) Pent-3-en-1-ino
h) 2-etil-3-metilhepta-1,3-dien-6-ino
i) Ciclohexino
j) Ciclopenta-1,3-dieno
k) m-dimetilbenceno
l) 2-metilbutano-1,3-diol
m) 3-metilpent-2-enal
n) 4-fenilpentan-2-ona
o) 3,3-dimetilpentanodiona
p) Acido pent-2-enoico
q) Ácido pent-2-enodioico
r) Acetato de etilo (etanoato de etilo)
s) Butanamida
t) Benzamida
u) Butano-1,4-diamina

Solución:

a) $CH_3-C(CH_3)OH-CH_2-CH_3$

b) 

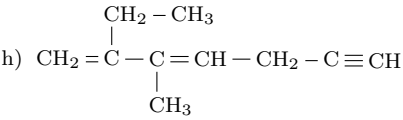
c) 

d) 

e) $CH_3-CH=CH-CH=CH-CH_2-CH_2-CH_3$

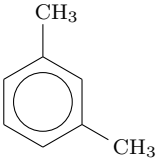
f) $HC\equiv C-CH(CH_3)-CH_2-C\equiv C-CH_2-CH_3$

g) $HC\equiv CH_2-CH=CH-CH_3$

h) 

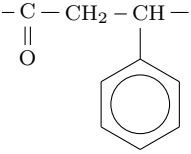
i) 

j) 

k) 

l) $HO-CH_2-CH(CH_3)-CHOH-CH_3$

m) $CH_3-CH(CH_3)-CH=CH-CHO$

n) 

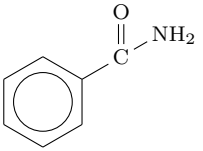
o) $CH_3-CHO-C(CH_3)_2-CHO-CH_3$

p) $CH_3-CH_2-CH=CH-COOH$

q) $HOOC-CH=CH-CH_2-COOH$

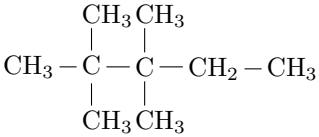
r) $CH_3-COO-CH_2-CH_3$

s) $CH_3-CH_2-CH_2-CONH_2$

t) 

u) $H_2N-CH-CH_2-CH_2-CH-NH_2$

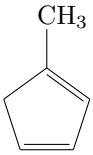
2 OXF15 | Nombra los siguientes compuestos:

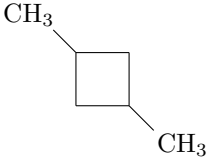
a) 

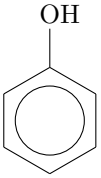
b) $CH_2=CH-CH=CH_2$

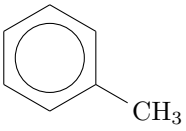
c) $HC\equiv CH-C\equiv C-CH_3$

d) $CH_2=CH-CH_2-C\equiv C-CH_3$

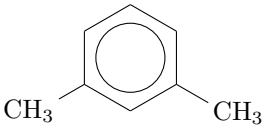
e) 

f) 

g) 

h) 

i)

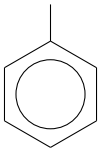


j) $CHO-C\equiv C-CH_2-CHO$

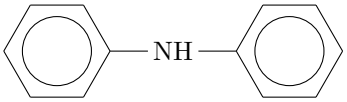
k) $CH_3-CH=CH-CH(CH_3)-COOH$

l) $CH_3-CH_2-COO-CH_3$

m) $CH_3-CH(C_6H_5)-COOH$



n)

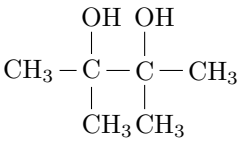


o) $CH_3-CO-NH-CH_3$

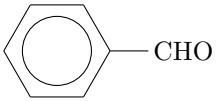
p) $CH_3-CH_2-CO-NH_2$

q) $CH_3-CH_2-CH=CH-CO-NH_2$

r)



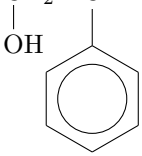
s)



t) $CH_3-CO-CH_2-CH_3$

u) $CH_3-CH_2-CHCl-COOH$

v)



Solución:

a) 2,2,3,3-tetrametilpentano
b) But-1,3-dieno
c) Pent-1,3-diino
d) Hexa-1-en-4-ino
e) 1-metilciclopenta-1,3-dieno
f) 1,3-metilciclobutano
g) Bencenol (fenol)
h) Metilbenceno (tolueno)
i) 1,3-dimetilbenceno (m-metiltolueno)
j) Pent-2-inodial
k) Ácido 2-metilpent-3-enoico
l) Propanoato de metilo
m) Ácido 2-fenilpropanoico
n) Difenilamina
o) N-metiletanamida
p) Propanamida
q) Pent-2-enamida
r) 2,3-dimetilbutan-2,3-diol
s) Benzaldehído (bencenal, fenilmetanal)
t) Butan-2-ona
u) Ácido 2-clorobutanoico
v) 2-fenilpropan-1-ol