

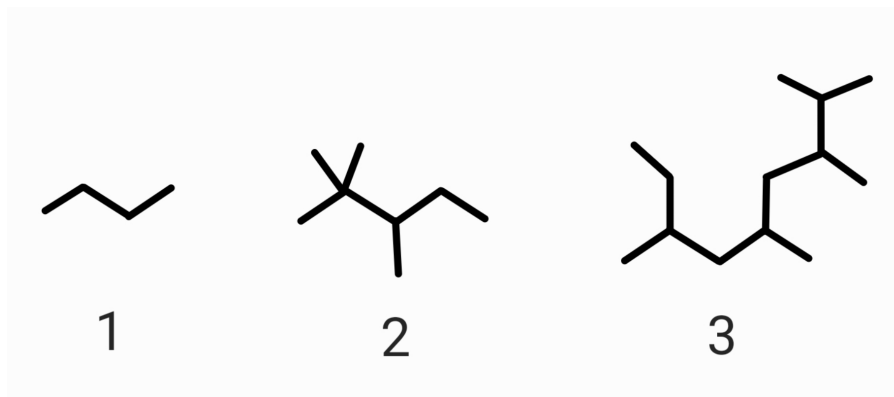
Lista de exercícios de Nomenclatura Orgânica

Beatriz São Leandro Cosimatti



1 Questões

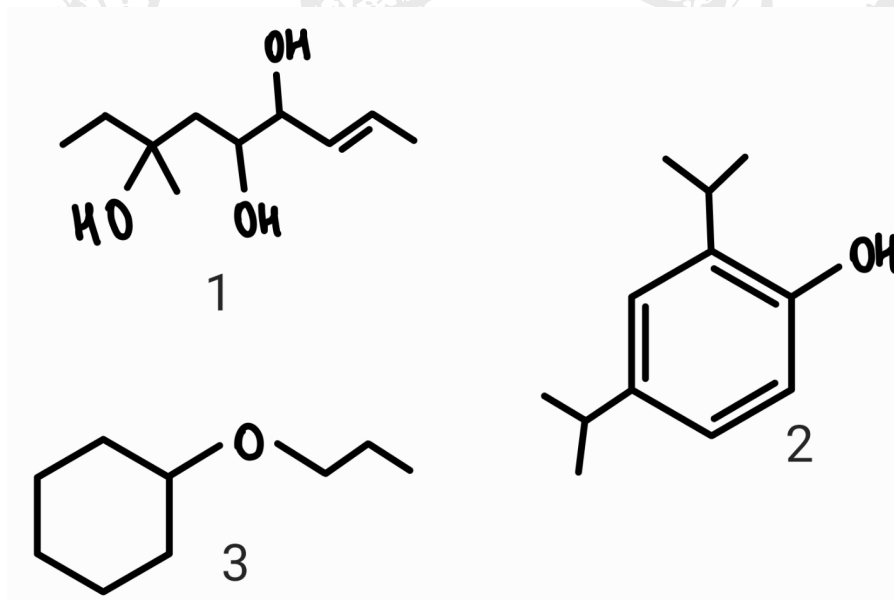
Problema 1. Determine a nomenclatura dos compostos a seguir:



Problema 2. De acordo com as nomenclaturas dadas a seguir, desenhe as estruturas correspondentes:

- 1-METIL-3-ISOPROPILCICLOPENT-1-ENO
- HEPT-1,3-DIEN-5-INO
- 3-iodo-PROP-1-ENO
- 1-BROMO-3-ETILCICLOHEXANO

Problema 3. Dê a nomenclatura dos compostos abaixo.

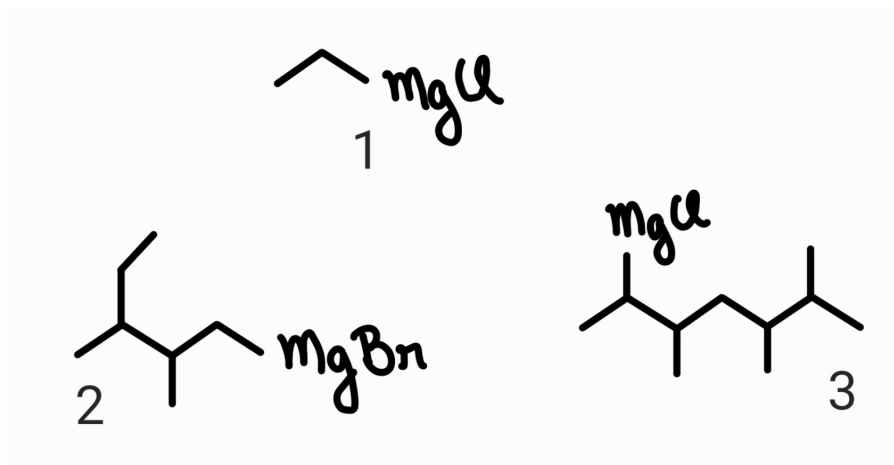




Problema 4. Desenhe os compostos correspondentes às nomenclaturas a seguir.

- BUTANAL
- 5,5,6-TRIMETIL-2-4-7-TRIONA
- 3-ETILCICLOBUTANONA

Problema 5. Determine a nomenclatura das estruturas a seguir.

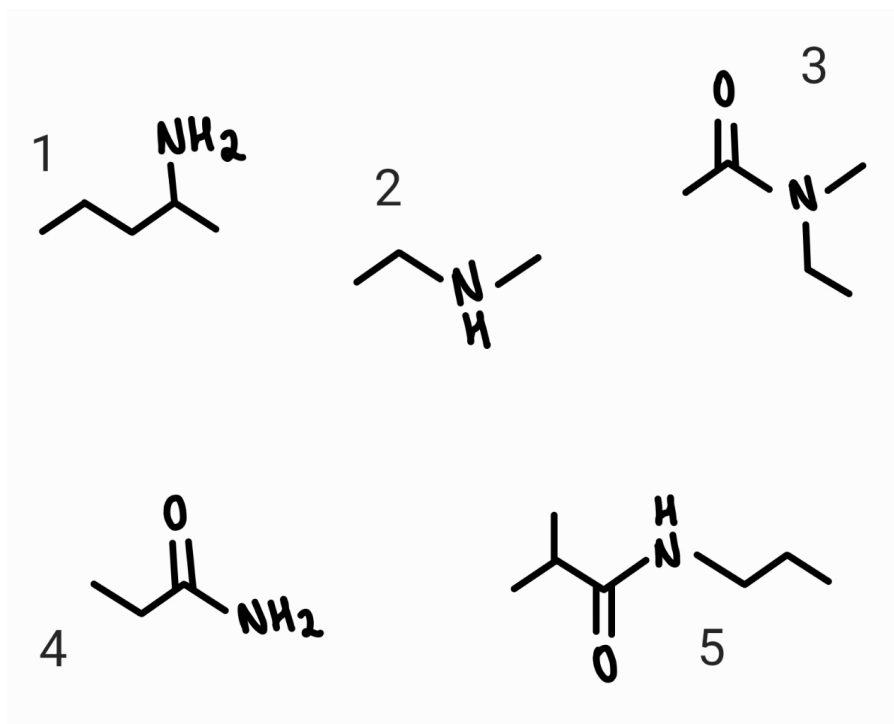


Problema 6. De acordo com as nomenclaturas dadas a seguir, desenhe as estruturas correspondentes:

- ÁCIDO 2-ETIL-3-METILPENTANÓICO
- ETANOATO DE POTÁSSIO OU ACETATO DE POTÁSSIO
- PROPANOATO DE 2-ETILBUTILA
- CLORETO DE 3,3,4-TRIMETILPENTANOILA
- ANIDRIDO ETANÓICO OU ANIDRIDO ACÉTICO



Problema 7. Determine a nomenclatura das estruturas a seguir.

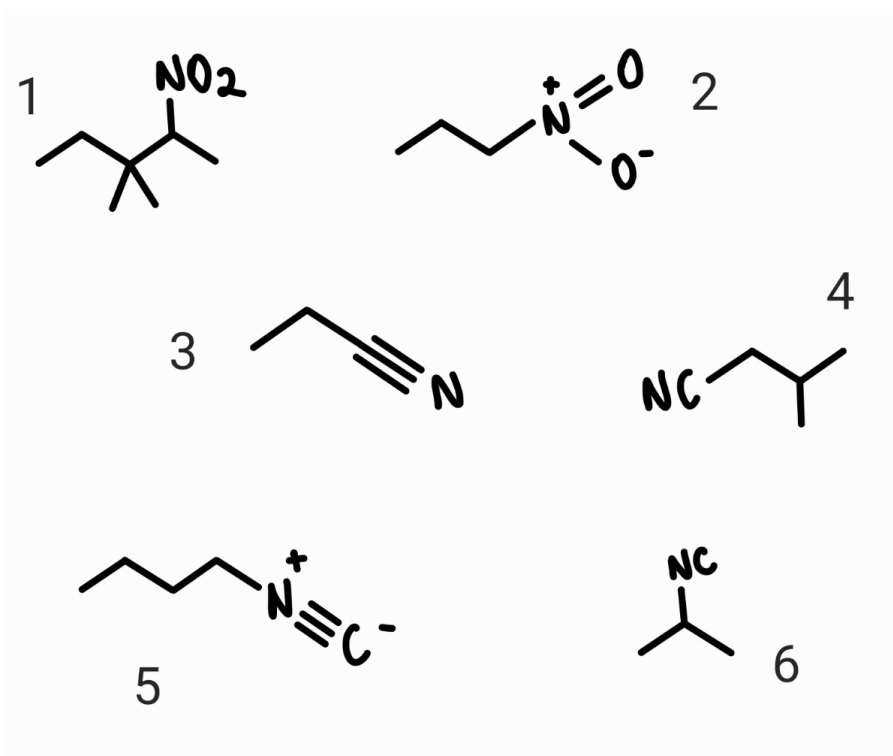


Problema 8. Desenhe os compostos correspondentes às nomenclaturas a seguir.

- ÁCIDO PENTANO-2-SULFÔNICO
- 4,4-DIMETILNONAN-2,5,7-TRITIOL
- ETIL-TIOBUTANO OU SULFETO DE ETILA E BUTILA



Problema 9. Determine a nomenclatura das estruturas a seguir.



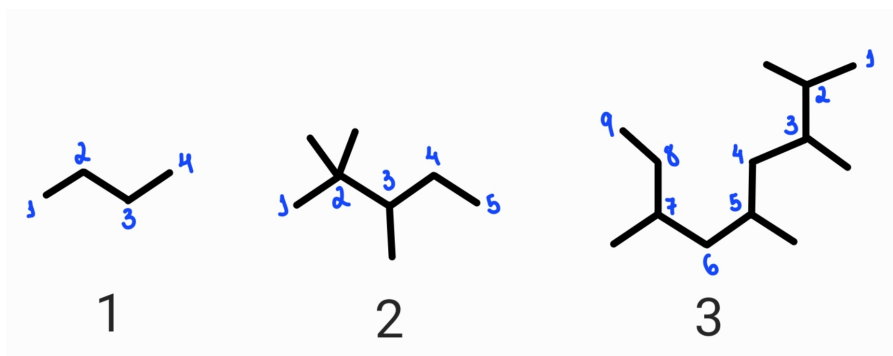
Problema 10. Desenhe os compostos correspondentes às nomenclaturas a seguir.

- ÁCIDO 5-BROMO-4-HIDROXI-4-METILHEPTANÓICO
- 7-CLORO-5-HIDROXI-6-NITROHEPTAN-2,4-DIONA
- 5-AMINA-2-BROMO-6-CLOROOC-3,6-DIENAL



2 Gabarito

Problema 1. Nomenclatura:



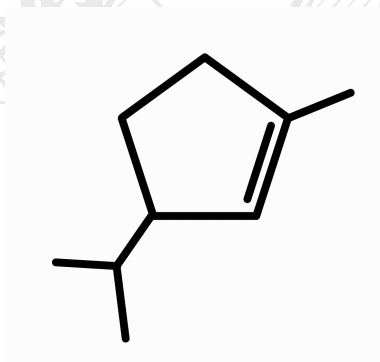
1: BUTANO

2: 2,2,3-TRIMETILPENTANO

3: 2,3,5,7-TETRAMETILNONANO

Problema 2. Estruturas:

a) 1-METIL-3-ISOPROPILCICLOPENT-1-ENO

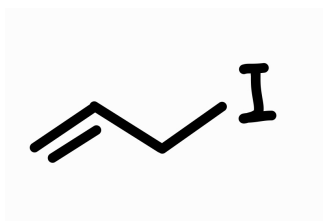


b) HEPT-1,3-DIEN-5-INO

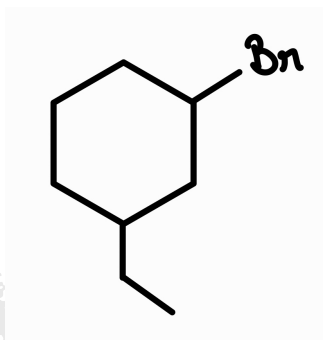




c) 3-iodo-prop-1-eno



d) 1-bromo-3-etilciclohexano



Problema 3. Nomenclaturas:

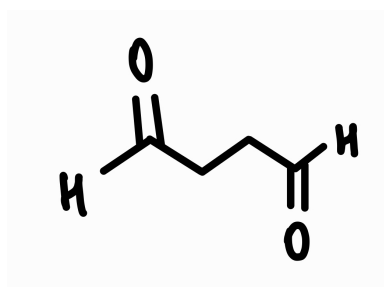
1: 3-METILNON-7-EN-3,5,6-TRIOL

2: 2,4-DIISOPROPILFENOL

3: CICLOHEXOXIPROPANO OU CICLOHEXIL PROPIL ÉTER

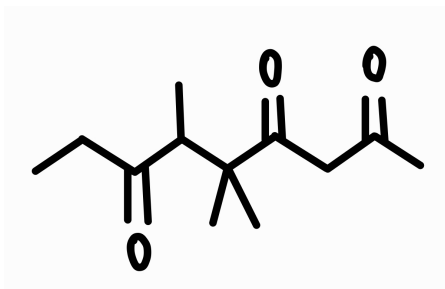
Problema 4. Estruturas:

a) BUTANAL

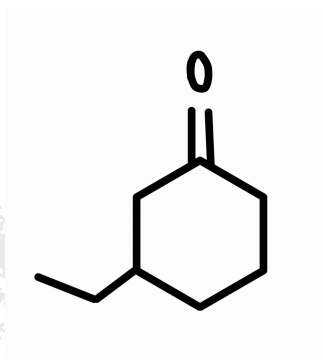




b) 5,5,6-TRIMETILNONAN-2,4,7-TRIONA



c) 3-ETILCICLOBUTANONA



Problema 5. Nomenclaturas:

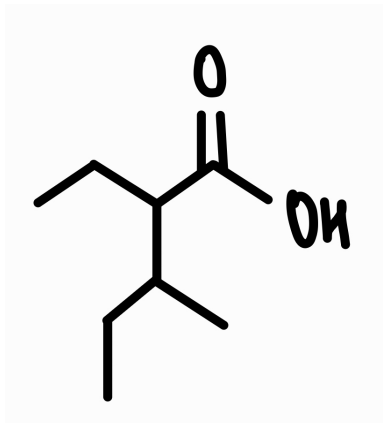
1: CLORETO DE ETIL-MAGNÉSIO

2: BROMETO DE 2,3-DIMETILPENTIL-MAGNÉSIO

3: CLORETO DE 3,5,6-TRIMETIL-HEPTIL-2-MAGNÉSIO

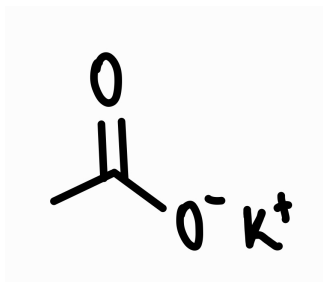
Problema 6. Estruturas:

a) ÁCIDO 2-ETIL-3-METILPENTANÓICO

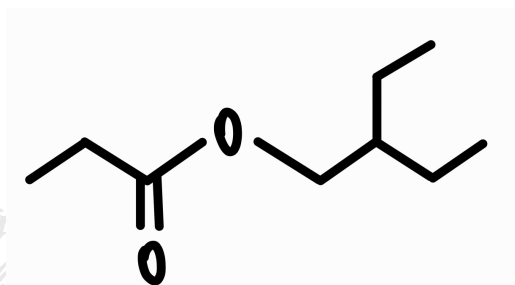




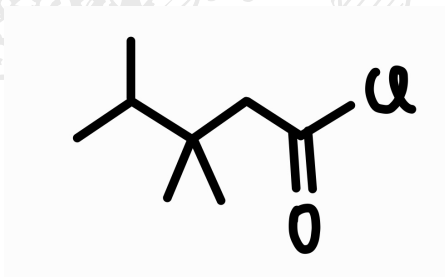
b) ETANOATO DE POTÁSSIO OU ACETATO DE POTÁSSIO



c) PROPANOATO DE 2-ETILBUTILA

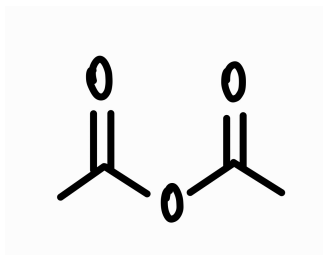


d) CLORETO DE 3,3,4-TRIMETILPENTANOILA





e) ANIDRIDO ETANÓICO OU ANIDRIDO ACÉTICO

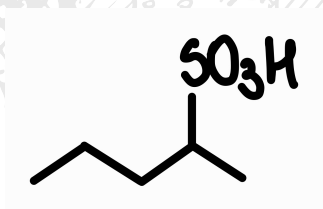


Problema 7. Nomenclaturas:

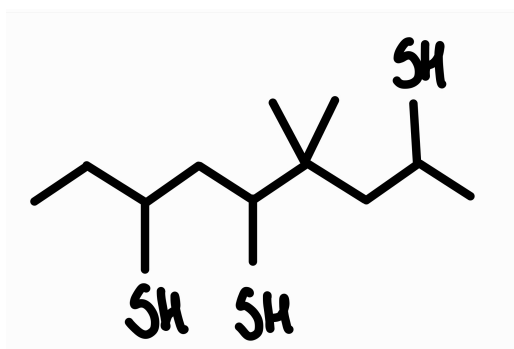
- 1: PENTAN-2-AMINA
- 2: ETIL-METILAMINA OU N-METIL-ETILAMINA
- 3: N-ETIL-N-METIL-ETANAMIDA
- 4: PROPANAMIDA
- 5: N-PROPIL-2-METILPROPANAMIDA

Problema 8. Estruturas:

a) ÁCIDO PENTANO-2-SULFÔNICO

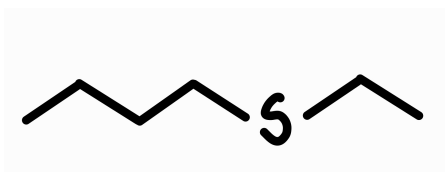


b) 4,4-DIMETILNONAN-2,5,7-TRITIOL





c) ETIL-TIOBUTANO OU SULFETO DE ETILA E BUTILA



Problema 9. Nomenclaturas:

1: 3,3-DIMETIL-2-NITROPENTANO

2: 1-NITROPROPANO

3: PROPANONITRILA

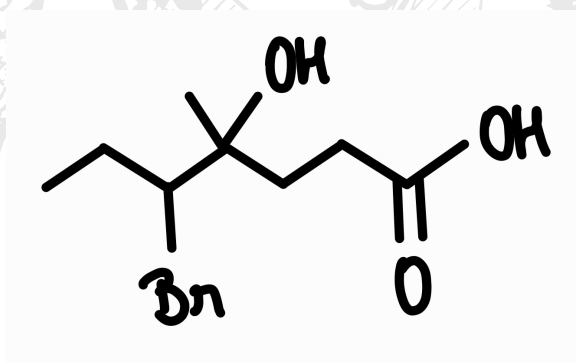
4: 3-METILBUTANONITRILA

5: ISOCIANETO DE BUTILA

6: ISOCIANETO DE ISOPROPILA

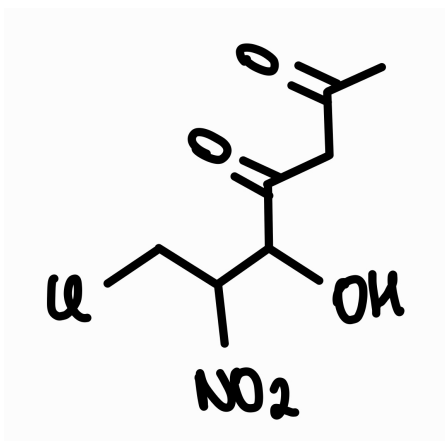
Problema 10. Estruturas:

a) ÁCIDO 5-BROMO-4-HIDROXI-4-METILHEPTANÓICO





b) 7-CLORO-5-HIDROXI-6-NITROHEPTAN-2,4-DIONA



c) 5-AMINA-2-BROMO-6-CLOROOC-3,6-DIENAL

