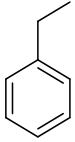


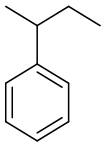
## 4. Gaia. Ariketak Konposatu Aromatikoak eta Hereozikloak

**Argibideak:** ezkutatu eskuineko edo ezkerreko zutabea ariketa hauek egiteko

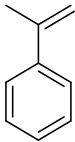
1. Izenda (edo formula) itzazu hurrengo monoordetzaturiko konposatu bentzenikoak



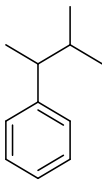
etilbentzeno



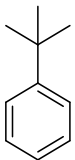
butan-2-ilbentzeno



prop-1-en-2-ilbentzeno



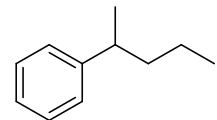
(3-metilbutan-2-il)bentzeno



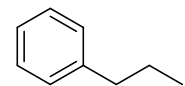
tert-butilbentzeno

2. Formula (edo izenda) itzazu hurrengo monoordetzaturiko konposatu bentzenikoak.

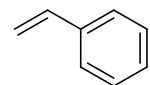
pentan-2-ilbentzeno



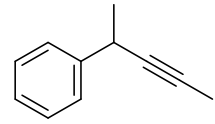
propilbentzeno



etenilbentzeno

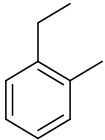


(pent-3-in-2-il)bentzeno

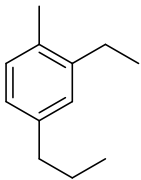


(hex-2-en-5-in-1-il)bentzeno

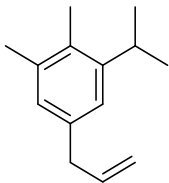
3. Izenda (edo formula) itzazu hurrengo poliordezkatu bentsenikoak.



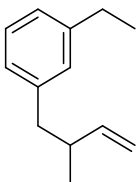
1-etil-2-metilbentzeno



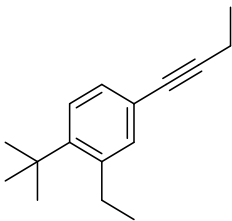
2-etil-1-metil-4-propilbentzeno



1,2-dimetil-3-(propan-2-il)-5-(prop-2-en-1-il)bentzeno



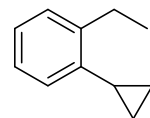
1-etil-3-(2-metilbut-3-en-1-il)bentzeno



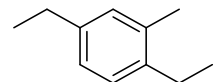
4-(but-1-in-1-il)-1-(*tert*-butil)-2-etilbentzeno

4. Formula (edo izenda) itzazu hurrengo poliordezkatu bentsenikoak.

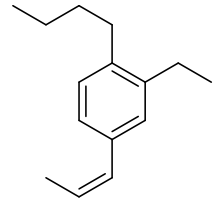
1-etil-2-ziklopropilbentzeno



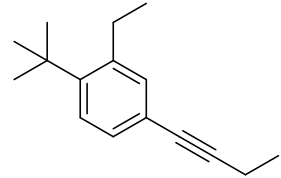
1-etil-2-metil-4-propilbentzeno



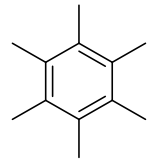
1-butil-2-etil-4-[(1Z)-prop-1-en-1-il]bentzeno



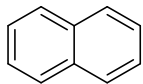
4-(but-1-in-1-il)-1-(tert-butil)-2-etilbentzeno



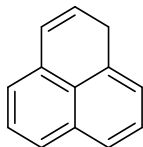
1,2,3,4,5,6-hexametilbentzeno



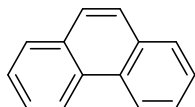
5. Izenda (edo formula) itzazu hurrengo konposatu aromatikoak.



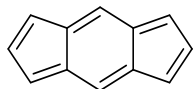
naftaleno



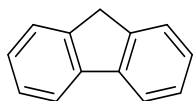
1H-fenaleno



fenantreno



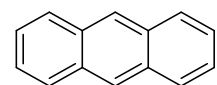
s-indazeno



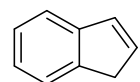
9H-fluoreno

6. Formula (edo izenda) itzazu hurrengo konposatu aromatikoak.

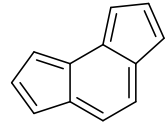
antrazeno



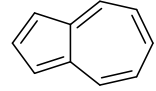
1H-indeno



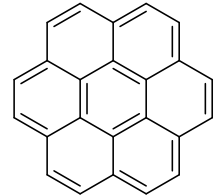
as-indazeno



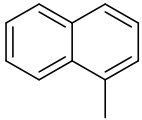
azuleno



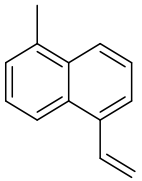
koroneno



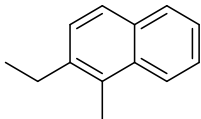
7. Izenda (edo formula) itzazu hurrengo ordezkaturiko konposatu aromatikoak.



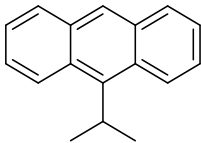
1-metilnaftaleno



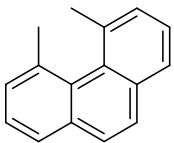
1-etenil-5-metilnaftaleno



2-etil-1-metilnaftaleno



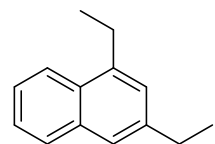
9-(propan-2-il)antrazeno



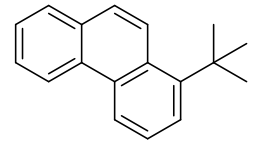
4,5-dimetilfenantreno

8. Formulatu itzazu hurrengo ordezkaturiko konposatu aromatikoak.

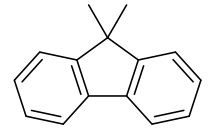
1,3-dietilnaftaleno



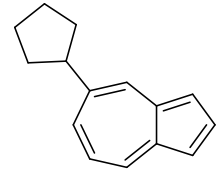
1-(*tert*-butil)fenantreno



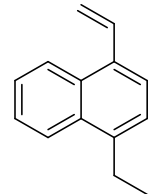
9,9-dimetil-9*H*-fluoreno



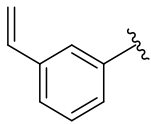
5-ziklopentilazuleno



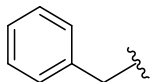
1-etenil-4-etilnaftaleno



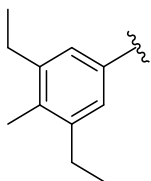
9. Izenda (edo formula) itzazu hurrengo erradikal bentzenikoak.



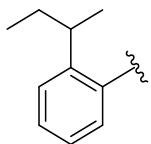
3-etenilfenilo



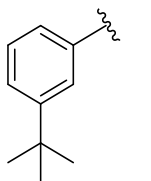
bentzenilo



3,5-dietil-4-metilfenilo



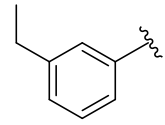
2-(butan-2-il)fenilo



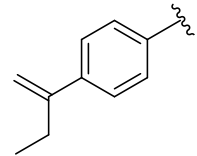
3-*tert*-butilfenilo

10. Formula (edo izenda) itzazu hurrengo erradikal bentzenikoak.

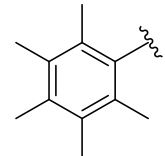
2-etilfenilo



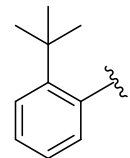
4-(but-1-en-2-il)fenilo



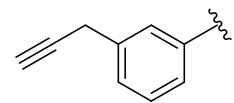
2,3,4,5-pentametilfenilo



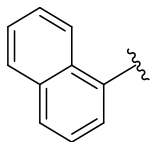
2-(tert-butil)fenilo



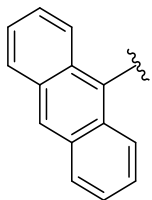
3-(prop-2-in-1-il)fenilo



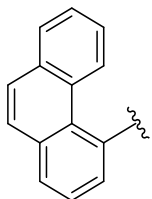
11. Izenda (edo formula) itzazu hurrengo erradikal aromatikokoak.



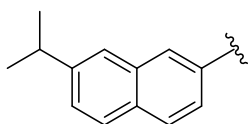
naftalen-1-ilo



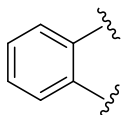
antrazen-9-ilo



fenantren-4-ilo



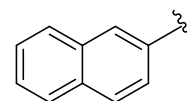
7-(propan-2-il)naftalen-2-ilo



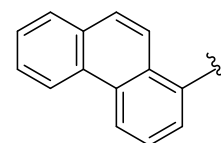
bentzeno-1,2-diilo

**12.** Formula (edo izenda) itzazu hurrengo erradikal aromatikook.

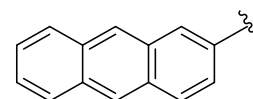
naftalen-2-ilo



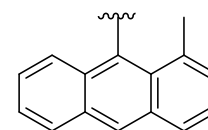
fenantren-1-ilo



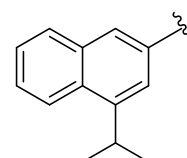
antrazen-2-ilo



1-metilantrazen-9-ilo



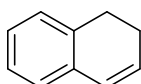
4-(propan-2-il)naftalen-2-ilo



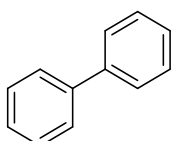
**13.** Izenda (edo formula) itzazu hurrengo konposatu aromatikoen deribatuak.



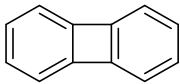
ziklohexa-1,4-dieno



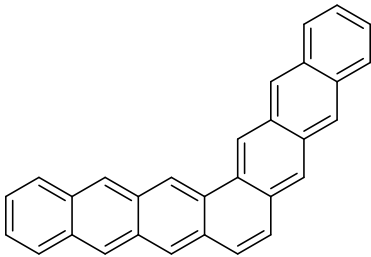
1,2-dihidronaftaleno



1,1'-bifenilo



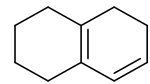
bifenileno



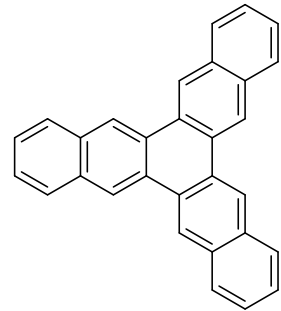
heptafeno

14. Formula (edo izenda) itzazu hurrengo konposatu aromatikoaren deribatuak.

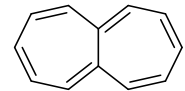
1,2,3,4,5,6-hexahidronaftaleno



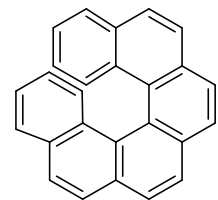
trinaftileno



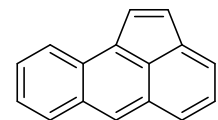
heptaleno



hexahelizeno



azeantrileno



15. Izenda (edo formula) itzazu izen arrunta erabiliz hurrengo heterozikloak.

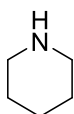


furano





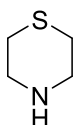
2H-pirano



piperidina



1H-pirazol



tiomorfolina

16. Formula (edo izenda) itzazu hurrengo izen arruntak dituzten heterozikloak.

piridina



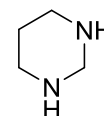
pirrolidina



pirazina



hexahidropirimidina



selenofeno



17. Izenda (edo formula) itzazu hurrengo heterozikloak.



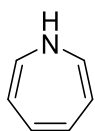
oxireno



aziridina



oxetano



1H-azepina



1,2-dioxolano

**18.** Formula (edo izenda) itzazu hurrengo heterozikloak.

1H-azirina



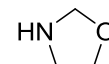
oxirano



oxepino



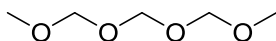
1,3-oxazolidina



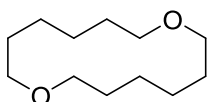
azetidina



**19.** Izenda (edo formula) itzazu hurrengo polieterrak eta eter ziklikoak.



2,4,6,8-tetraoxanonano



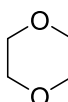
1,8-dioxaziklotetradekano



1,3-dioxolano



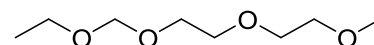
furano



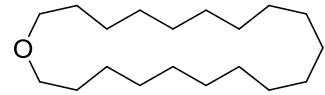
1,4-dioxano

**20.** Formula (edo izenda) itzazu hurrengo polieterrak eta eter ziklikoak.

2,5,8,10-tetraoxadodekano



oxazikloikosano



tetrahidrofurano



1,3-dioxolano



oxirano

