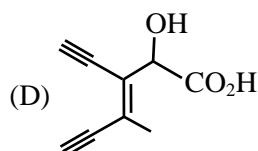
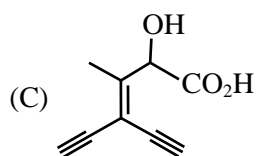
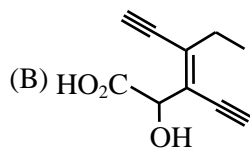
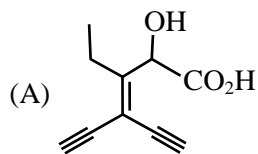


## NOMENCLATURE

1. Which one of the following structures has the IUPAC name

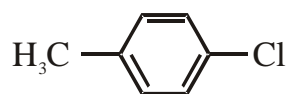
3-ethynyl-2-hydroxy-4-methylhex-3-en-5-ynoic acid ?

[JEE(Advanced) 2020]



2. The IUPAC name(s) of the following compound is(are)

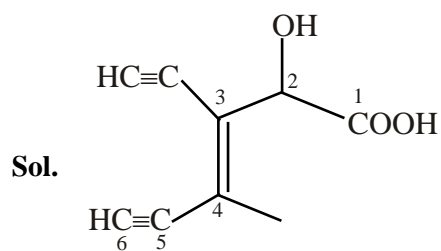
[JEE(Advanced) 2017]



- (A) 4-methylchlorobenzene  
 (B) 4-chlorotoluene  
 (C) 1-chloro-4-methylbenzene  
 (D) 1-methyl-4-chlorobenzene

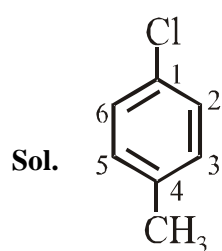
## SOLUTIONS

1. Ans. (D)

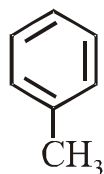


3-ethynyl-2-hydroxy-4-methyl-hex-3-en-5-ynoic acid.

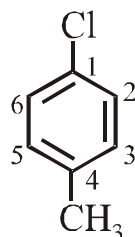
2. Ans. (B, C)



1-Chloro-4-methylbenzene



IUPAC Name- "Toluene" is accepted by IUPAC as a name of parent carbon chain.



So it can also be named as 4-chlorotoluene.