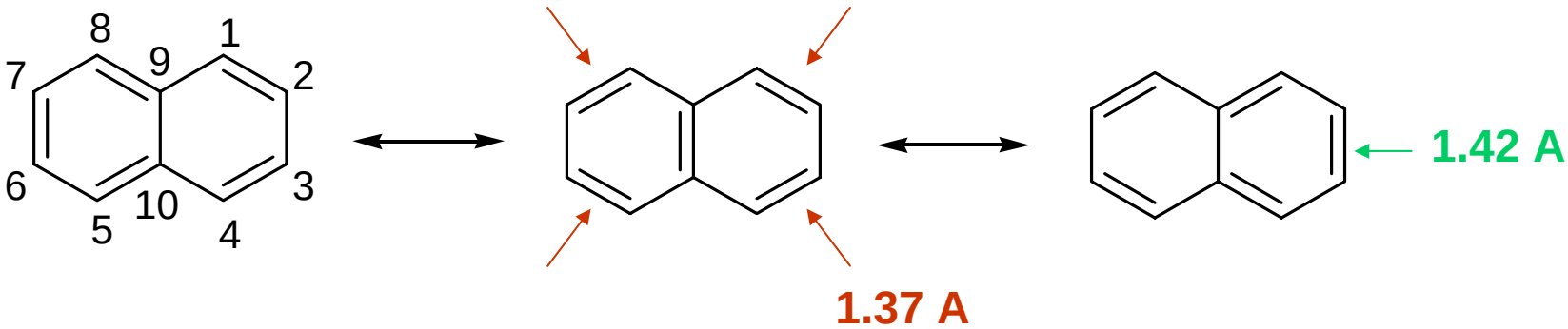
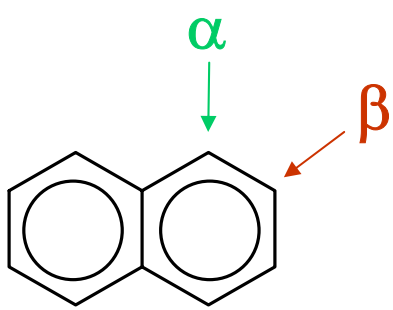
Anelli aromatici condensati: aromatici policiclici

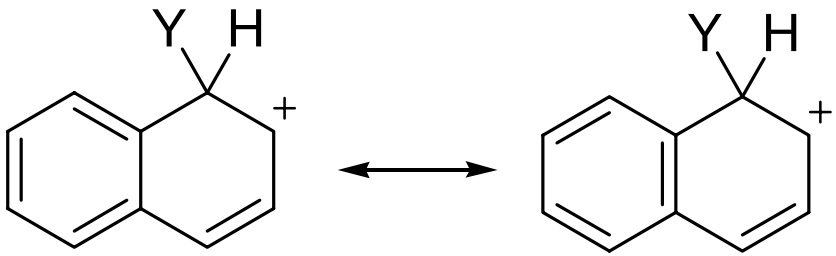
Naftalene



(Benzene = 1.40 A)

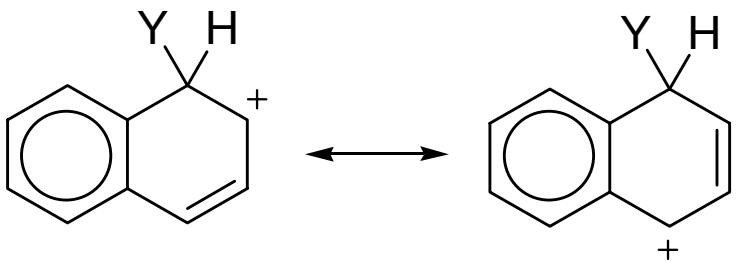


Naftalene: reattività e orientazione

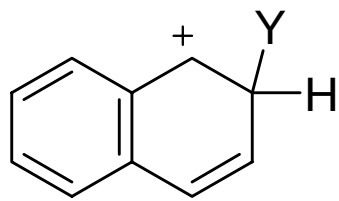


L'intermedio cationе arenio ha ancora due forme di Kekulè: il naftalene è più reattivo del benzene

Sostituzione in α

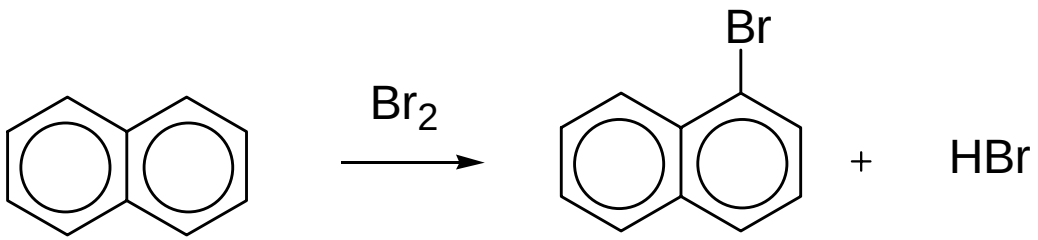


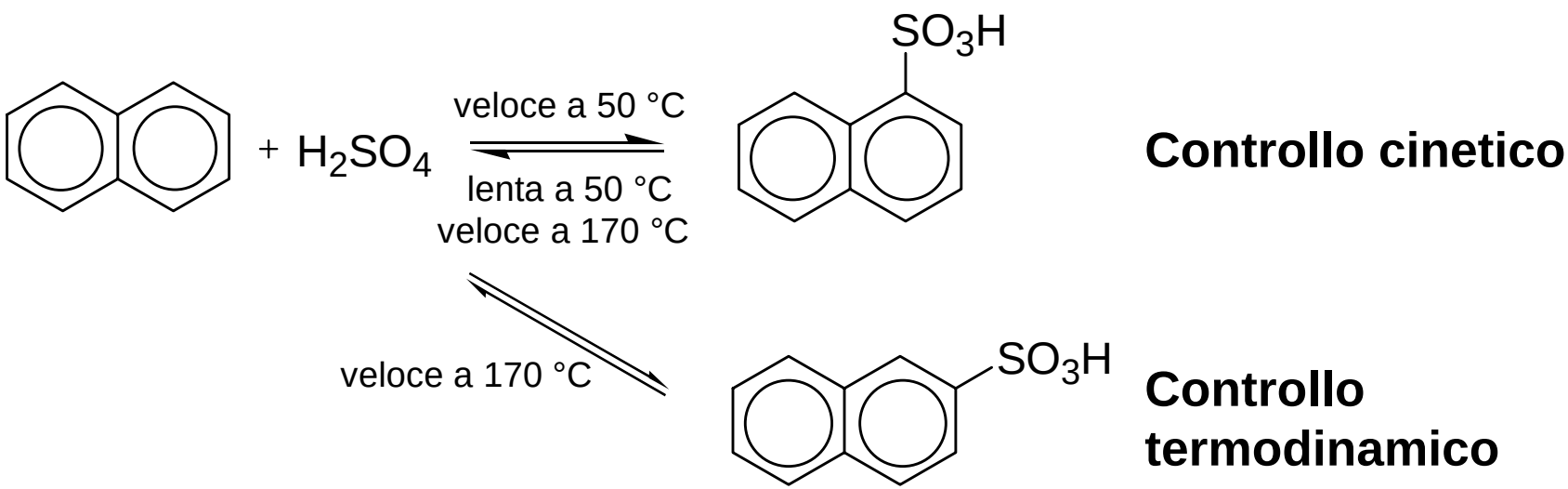
Sostituzione in β



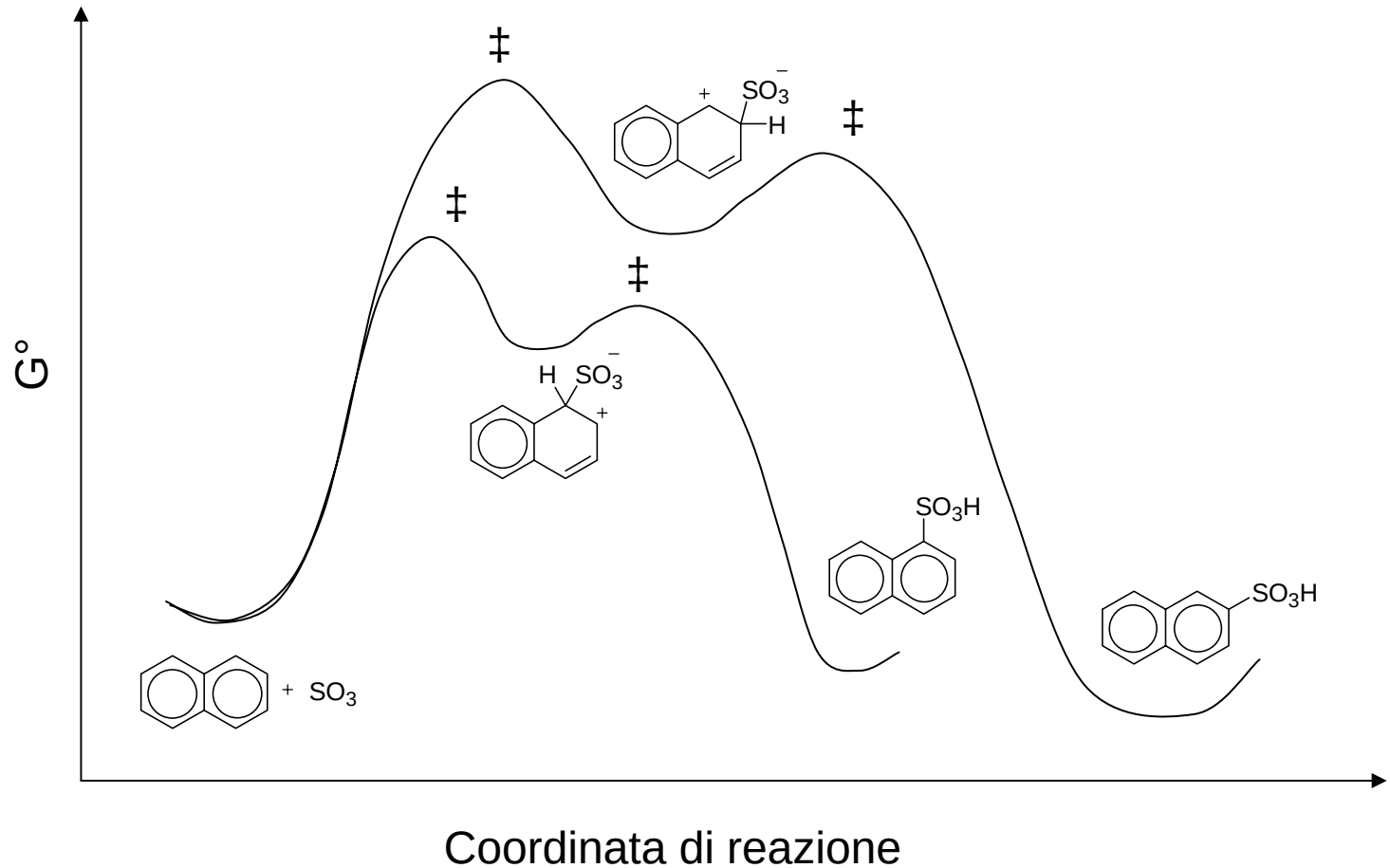
La sostituzione avviene preferenzialmente in posizione α

Naftalene: orientazione

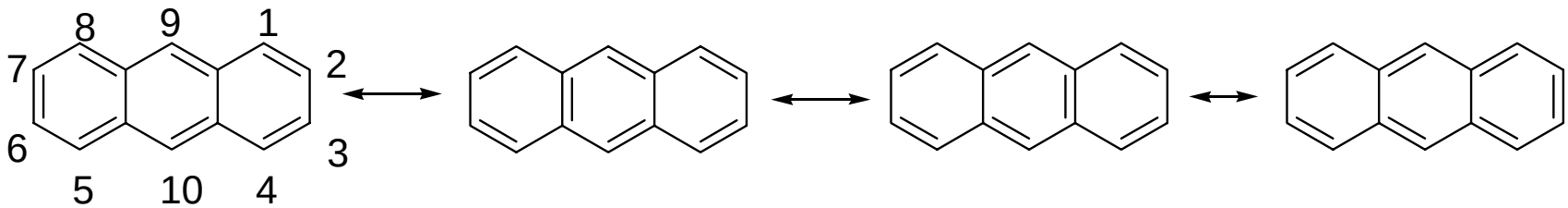


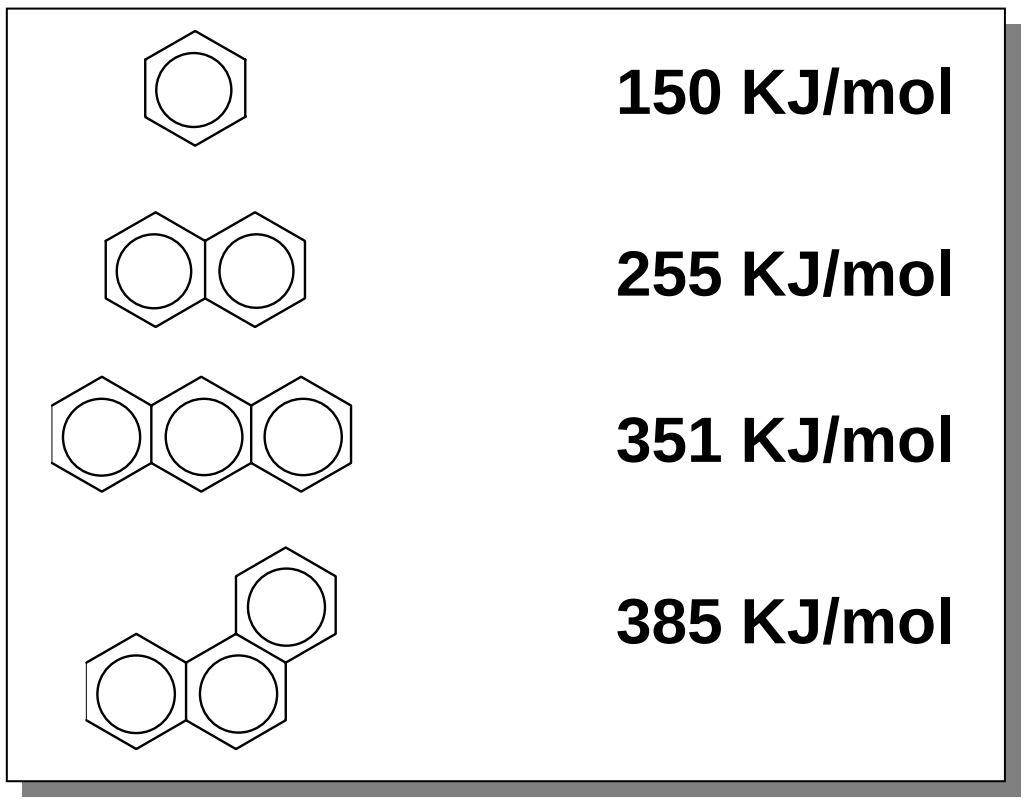


Naftalene: orientazione

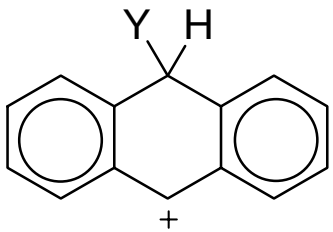


Antracene

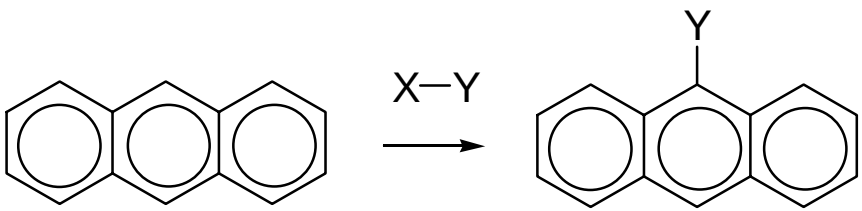




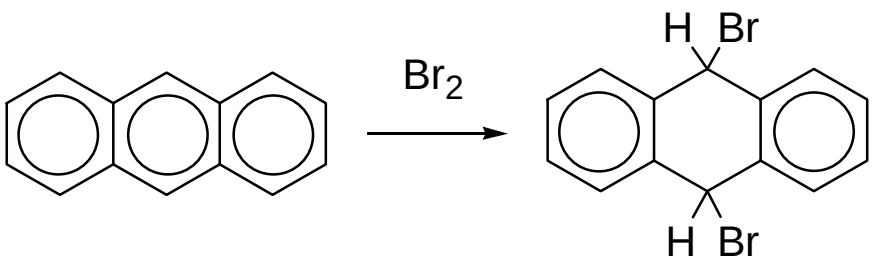
Antracene



L'intermedio cation arenio in posizione 9 ha quattro forme di Kekulè.

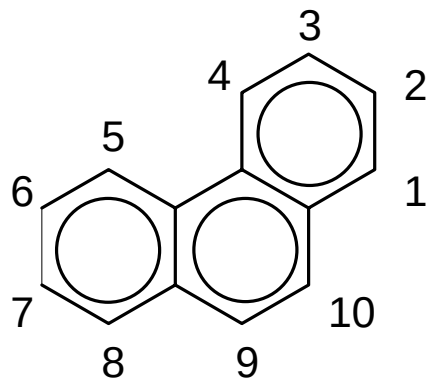


La sostituzione avviene preferenzialmente in posizione 9

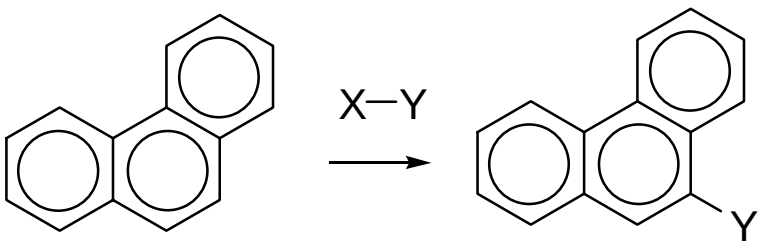


L'antracene può subire addizione alle posizioni 9,10

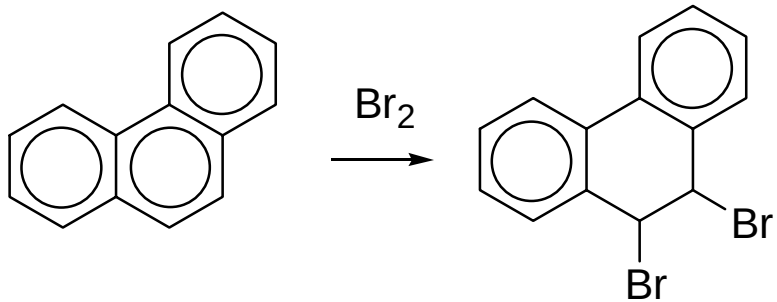
Fenantrene



Il fenantrene ha 5 formule di risonanza di Kekulè, di queste 4 hanno un doppio legame in posizione 9-10



La sostituzione avviene preferenzialmente in posizione 9



L’antracene subisce con facilità addizione alle posizioni 9,10