Directing	Activity							
Ortho-Para Directing	Strongly activating	$—\ddot{N}H_2$	$—\ddot{N}HR$	$—\ddot{N}R_2$	$—\ddot{O}H$	[redacted]		
	Moderately activating	$—\ddot{N}HC(=O)R$	$—\ddot{N}HC(=O)Ar$	$—\ddot{O}C(=O)R$	$—\ddot{O}C(=O)Ar$	$—\ddot{O}R$		GOOD
	Weakly activating	$—R$	$—C_6H_5$					
	Weakly deactivating	$—\ddot{F}:$	$—\ddot{Cl}:$	$—\ddot{Br}:$	$—\ddot{I}:$			UGLY
Meta Directing	Moderately deactivating	$—C(=O)H$	$—C(=O)R$	$—C(=O)OH$	$—C(=O)OR$	$—C(=O)NH_2$	$—SO_2OH$	$—C\equiv N$
	Strongly deactivating	$—NO_2$	$—NH_3^+$	$—CF_3$	$—CCl_3$			BAD

Relative importance in directing further substitution

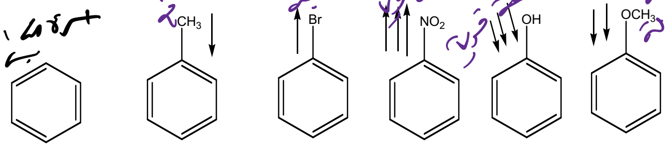
دافعة — ساحبة

مجموعات ساحبة ولازم توجه لـ m بس بتشتغل شغل الدافعة وبتوجه o / p

الـ الدافعة بعض الطرق قوية فهي بتوجه o / p

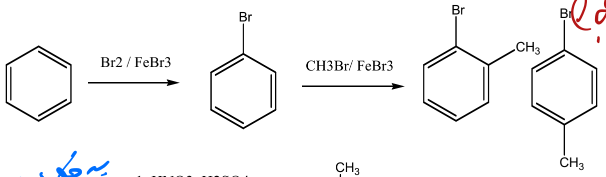
الساحبة بتوجه m وبعض الطرق قوية

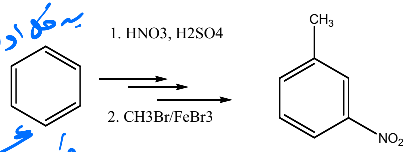
Arrange the rate of the following compounds accoring to decrease their reactivity

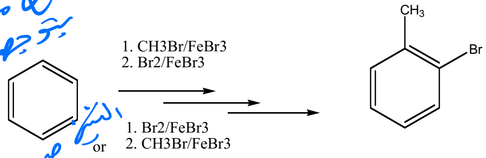


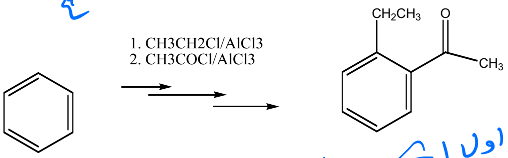
I II III IV V VI

V > VI > II > I > III > IV









re go effect