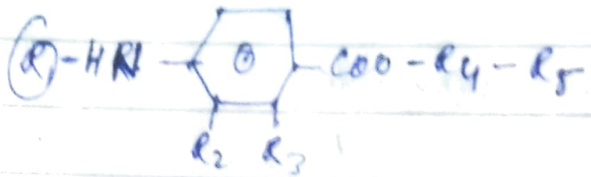


Local Anaesthetic

① Ester Derivatives P- amino benzoate derivatives

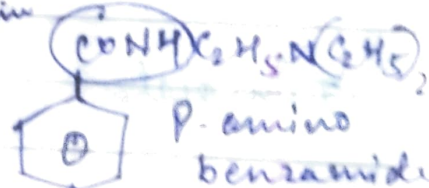
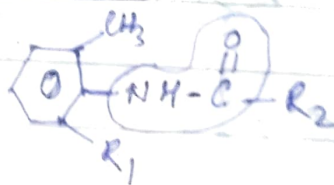


	R ₁	R ₂	R ₃	R ₄	R ₅
Benzocaine	H	H	H	CH ₃	-
Pracaine	H	H	H	CH ₃	N(CH ₃) ₂
chloro procaine	H	H	Cl	CH ₃	N(CH ₃) ₂
Tetracaine	Butyl	H	H	(CH ₃) ₂	N(CH ₃) ₂

Amide derivatives

② Amide derivatives

(Amino amide)



Procainamide

	R ₁	R ₂
Artidocaine	CH ₃	-CH ₂ -N(CH ₃) ₂
Lignocaine (lidocaine)	CH ₃	-CH ₂ -N(CH ₃) ₂
Prilocaine	CH ₃	-CH ₂ -N(CH ₃) ₂

③ Propivacaine

CH₃



Piperidine

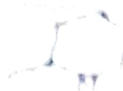
④ Propivaraine

CH₃

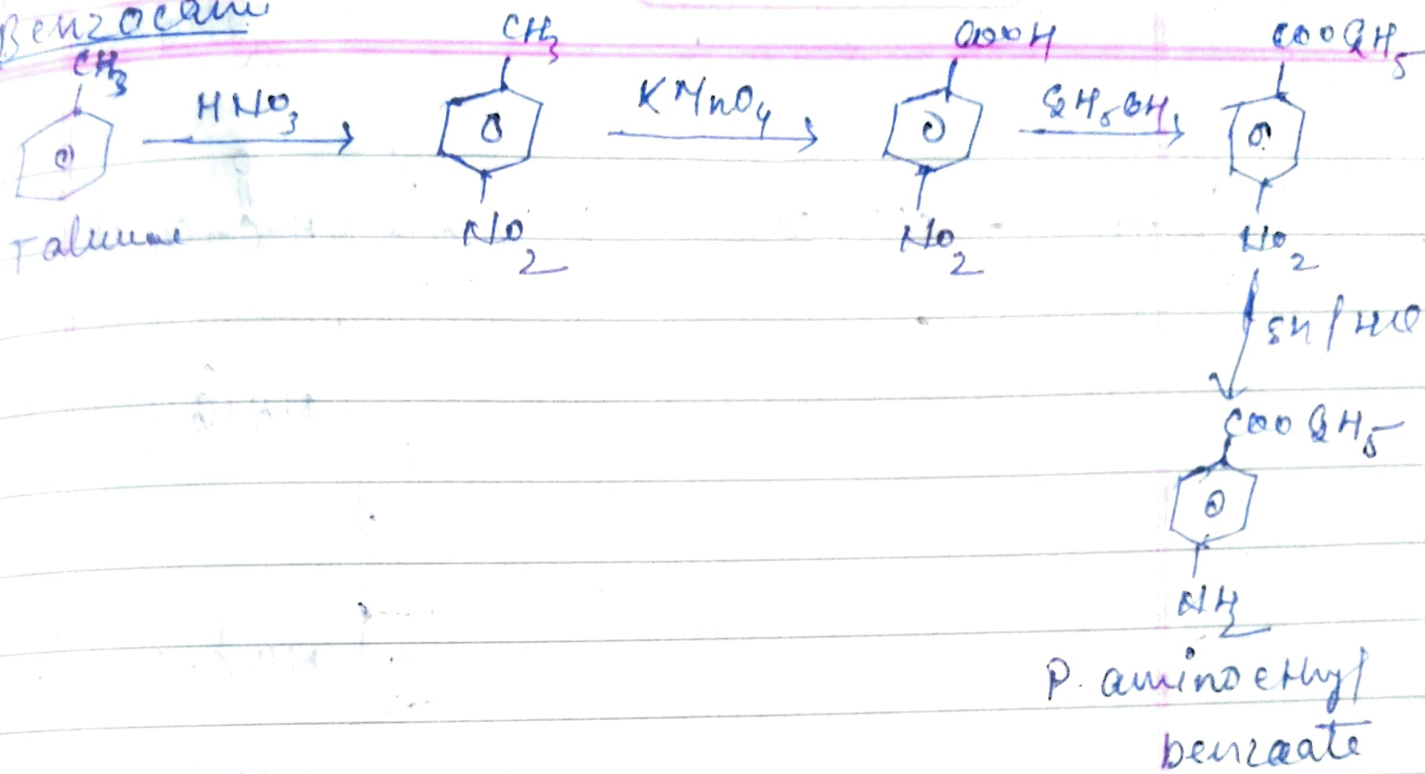


⑤ Bupivacaine

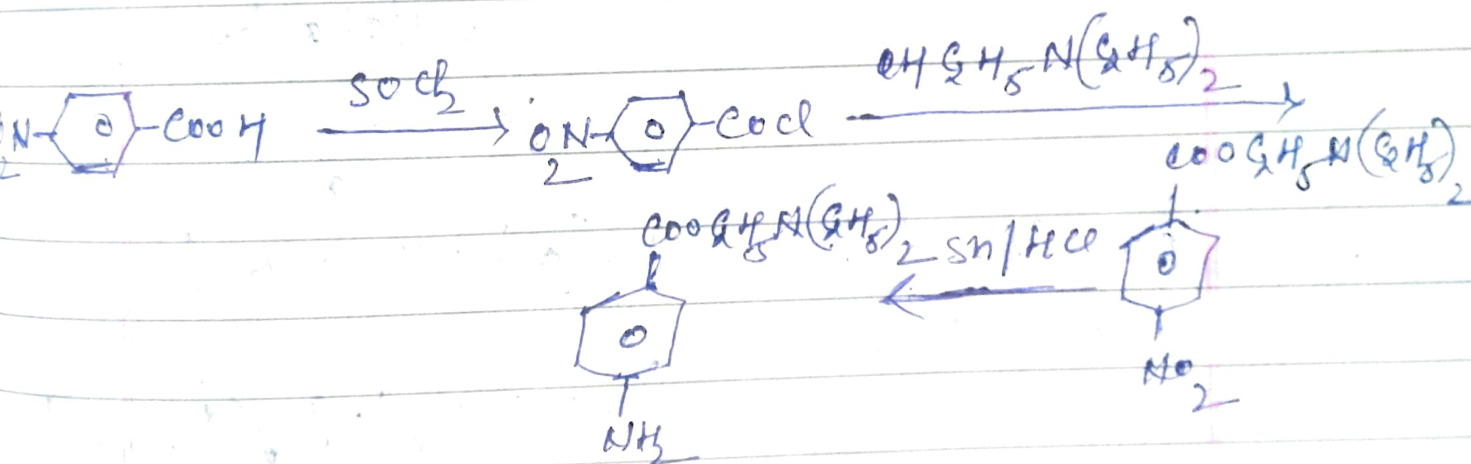
CH₃



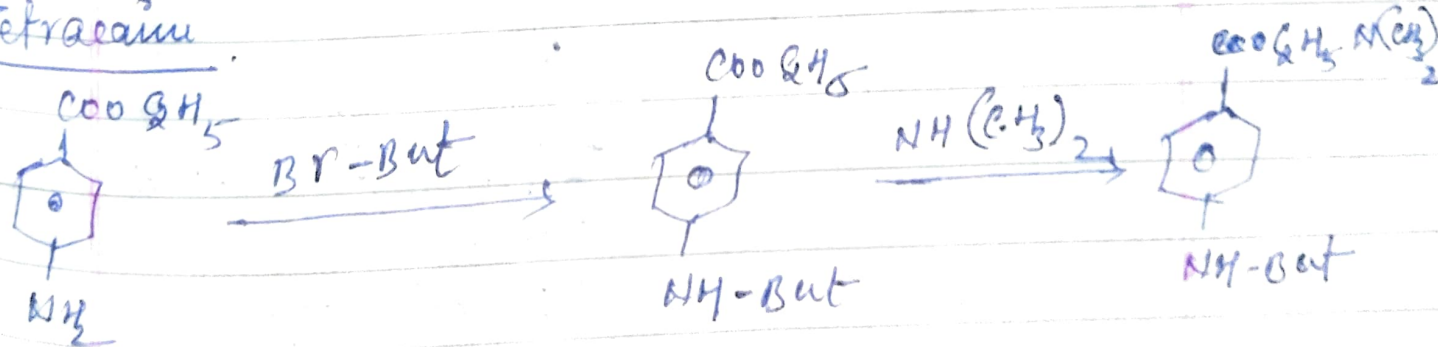
Benzocaine



Pracaine



Tetracaine



Benzocaine