

















































meta director			ortho-para director	' →	meta director
NO ₂ meta director	Zn HCI	NH ₂	CH ₃ ortho-part director	1) KMnO ₄ , NaOH, <u>heat</u> 2) H ₃ O ⁺	O OH meta director
N R meta director	Zn [Hg], HCl, heat	ortho-para director	CH ₃ ortho-para director	excess NBS	CBr ₃