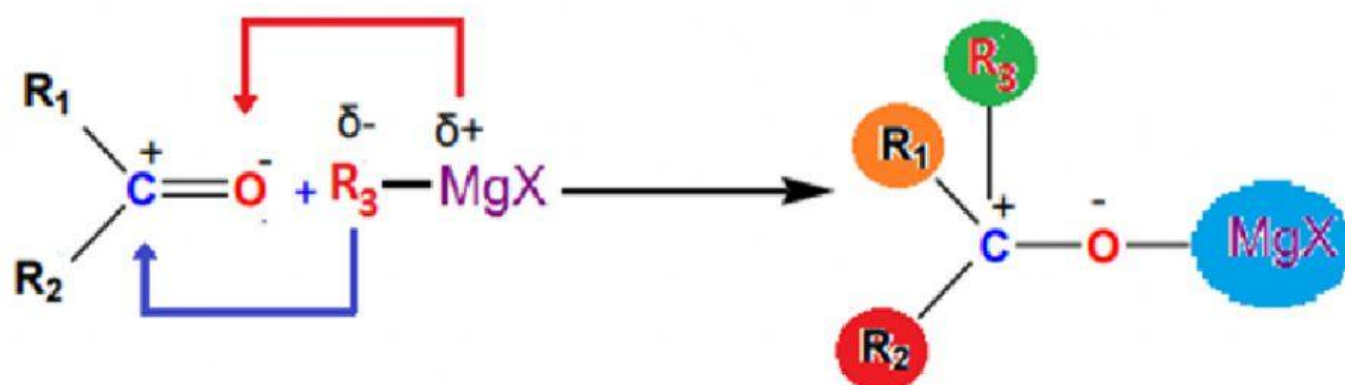


ΦΥΛΛΟ ΕΡΓΑΣΙΑΣ ΣΤΗΝ ΠΑΡΑΣΚΕΥΗ ΑΛΚΟΟΛΩΝ
ΜΕ ΤΗ ΜΕΘΟΔΟ ΑΝΤΙΔΡΑΣΤΗΡΙΩΝ GRIGNARD

ΟΝΟΜΑ

ΕΠΙΘΕΤΟ

ΜΗΧΑΝΙΣΜΟΣ ΠΡΟΣΘΗΚΗΣ ΣΤΟ ΚΑΡΒΟΝΥΛΙΟ

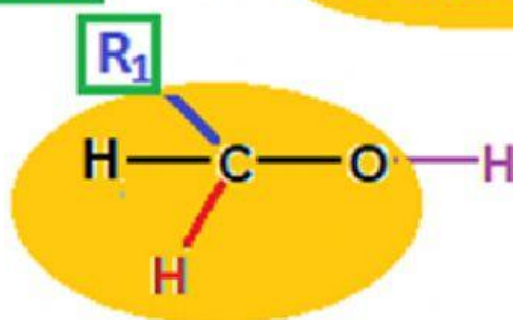


ΠΑΡΑΣΚΕΥΗ ΠΡΩΤΟΤΑΓΩΝ ΑΛΚΟΟΛΩΝ

GRIGNARD

+

ΦΟΡΜΑΛΔΕΥΔΗ



GRIGNARD

+

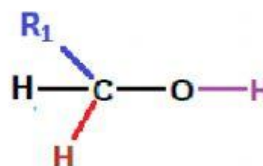
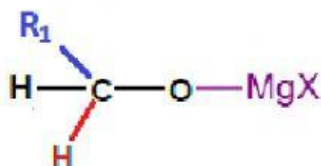
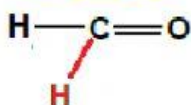
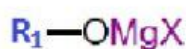
ΦΟΡΜΑΛΔΕΥΔΗ



ΕΝΔΙΑΜΕΣΟ



ΠΡΩΤΟΤΑΓΗΣ ΑΛΚΟΟΛΗ



Παράσκευή
 $\text{CH}_3 - \text{CH}_2 - \text{OH}$

GRIGNARD

+

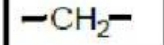
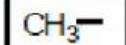
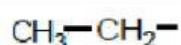
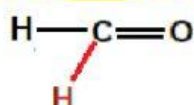
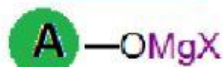
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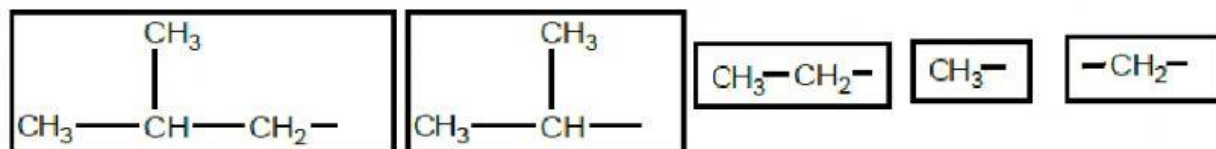
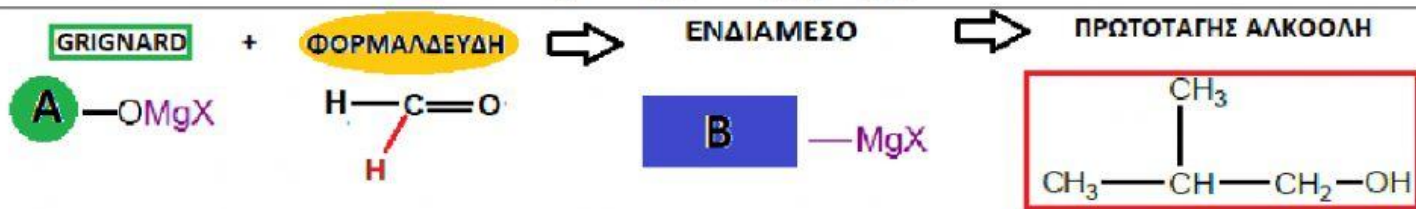
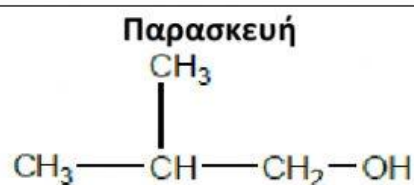


ΕΝΔΙΑΜΕΣΟ



ΠΡΩΤΟΤΑΓΗΣ ΑΛΚΟΟΛΗ

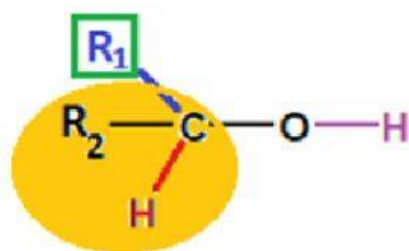




ΠΑΡΑΣΚΕΥΗ ΔΕΥΤΕΡΟΤΑΓΩΝ ΑΛΚΟΟΛΩΝ

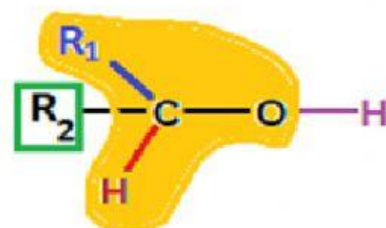
Α ΤΡΟΠΟΣ

GRIGNARD + ΑΛΔΕΥΔΗ



Β ΤΡΟΠΟΣ

GRIGNARD + ΑΛΔΕΥΔΗ



Παρασκευή

