Joint group meeting problems

Nov 12th 2015

Propose plausible mechanisms for the following transformations

TMS
$$CO_2R$$
 CO_2R
 CO_2R
 $R = (-)$ -menthyl

b) Br₂, CH₂Cl₂, RT, 99%; c) AgNO₃, MeOH, 70°C, 97%.

COCI +
$$(3) \text{ Et}_3 \text{N}; \text{H}_3 \text{O}^+$$
2) AcCI, pyr

3) $h\nu$
4) KOH, dioxane 100 °C

37% overall