3. This question is about spot cream
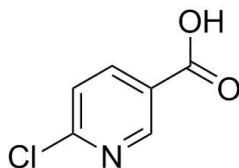
(a) Effective density of tazarotene = 0.90 g cm^{-3} × 0.0005 = 0.00045 g cm^{-3}

= 0.45 g dm^{-3}

Concentration of tazarotene = 0.45 g dm^{-3} / 351.46 g mol^{-1}

= 0.00128 M *(or 1.28 mM)*

1
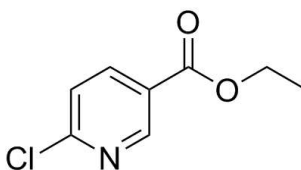
(b)

A

1

B

1

(c)

C

1

D

1

E

1

F

1

G

1

I
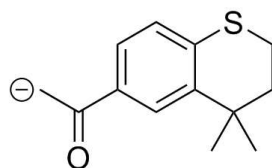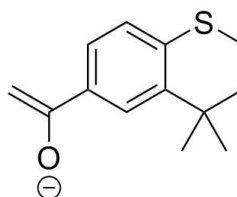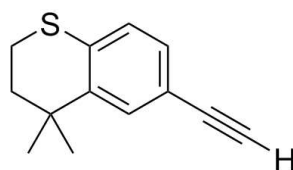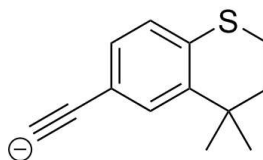
1
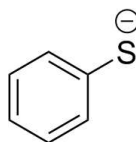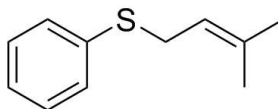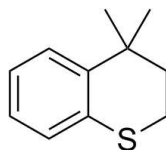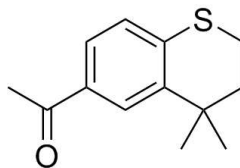
The alkyne C–H bond does not have to be explicitly drawn in (as in normal skeletal structure drawing).

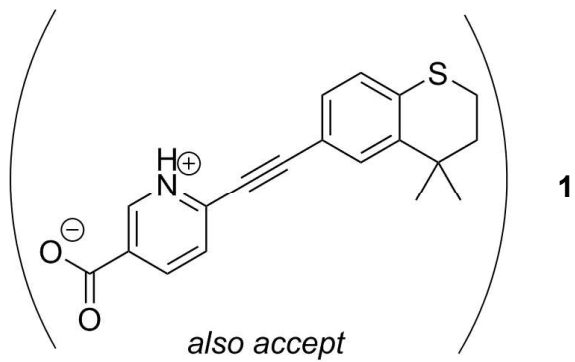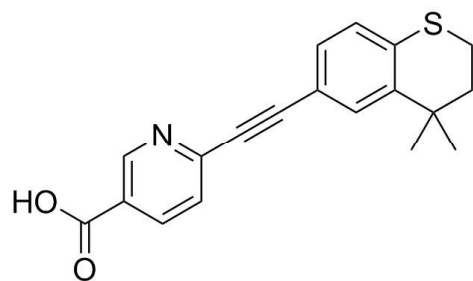**(d)**   Oxidation   Reduction   Addition | Elimination | Substitution   1

(e)

J

1

(f)   20 signals   1

(g)

also accept

1

Question Total   13