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1 Primary alchohol
ii Carbonyl
iii Carboxyl

2. $m = 9 \times 10^{-31} kg$

$r = 1.4 \times 10^{-7} m$

$B = 3.5 \times 10^{-1} /m^2$

cyclotoron frequency = angular speed

$$\omega = \frac{v}{F} = \frac{qB}{m}$$

$$\omega = \frac{qB}{m} = \frac{1.6 \times 10^{-19} \times 3.5 \times 10^{-1}}{9 \times 10^{-3}}$$

$$\omega = 6.2 \times 10^{-10} T^{-1}$$

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