Question #75013, Chemistry / General Chemistry

What is the freezing point of a 0.94 m solution of glucose, $C_6H_{12}O_6$, in water? (K_f for water is 1.858 °C/m)

- a. 0.22 °C
- b. 0.505 °C
- c. -1.74 °C
- d. -0.22 °C
- e. -0.89 °C

Solution

 $\Delta T = K_f \cdot m$

m = C/p

ΔT= 1.858·0.94 = 1.74°C

Answer

c. -1.74 °C

Answer provided by AssignmentExpert.com