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### Conversion Formula

Readers who want to convert drug concentrations to or from SI units may apply the following formulas.

To determine the conversion factor (CF):

\[ CF = \frac{1000}{MW} \]

To convert to SI units: \((\mu g/mL) \times CF = (\mu mol/L)\)
To convert from SI units: \((\mu mol/L) \div CF = (\mu g/mL)\)

**Example: Phenyltoin conversion**

Conversion factor: \(CF = \frac{1000}{252.3} = 3.96\)

Conversion: \((\mu g/mL) \times 3.96 = (10 \mu g/mL) \times 3.96 = 39.6 \mu mol/L;\)
\((39.6 \mu mol/L) \div 3.96 = 10 \mu g/mL)\)

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