

1. Reserpine. a non-electrolyte, used as a tranquilizer or as a sedative.  
When 1.00 grams of Reserpine is dissolved in 25.0 grams of camphor, the freezing point of the solution is lowered by 2.63 C. The  $k_f$  is 40.00C kg/mol.

Reserpine is:

65.11% Carbon

6.62% Hydrogen

4.60% Nitrogen

23.66 Oxygen

Determine the molecular mass and the formula of Reserpine.

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