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天然低分子量物質チミジンの鼻腔から脳への直接移行性：
アロマセラピーにおける、もう一つの作用点の可能性について

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The absorption and transport of thymidine from the nasal cavity were investigated in rats. Concentrations in the plasma and the cerebrospinal fluid following intravenous and intranasal administration were measured. After intranasal administration, thymidine concentrations in the cerebrospinal fluid were higher in the fraction derived from the subarachnoid space located close to the nasal mucosa than those in the fractions located far from the nasal cavity. This difference in the concentration was not found following the intravenous administration. This result suggests that direct transport of thymidine from the nasal cavity to the cerebrospinal fluid significantly contributes to its high concentration.