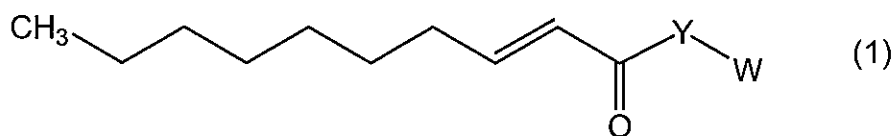


[Abstract]

Trans-2-Decenoic Acid Derivative and Pharmaceutical Agent
Containing the Same

An object of the present invention is to provide a novel trans-2-decenoic acid derivative or a pharmaceutically acceptable salt thereof and to provide a pharmaceutical agent which contains said compound as an active ingredient and has a highly safe neurotrophic factor-like activity or an alleviating action for side effect induced by administration of anti-cancer agents. The trans-2-decenoic acid derivative or a pharmaceutically acceptable salt thereof which is the compound of the present invention is specifically represented by the formula (1):



(In the formula, Y is $\cdot\text{O}\cdot$, $\cdot\text{NR}\cdot$ or $\cdot\text{S}\cdot$, R is hydrogen atom, alkyl group, dialkylaminoalkyl group or the like and W is a substituent such as dialkylaminoalkyl group) and has a quite high usefulness as a pharmaceutical agent such as a preventive or therapeutic agent for dementia, Alzheimer's disease, Parkinson's disease, depression, etc., a treating or repairing agent for spinal cord injury or an alleviating agent for side effect induced by administration of anti-cancer agents.

No suitable figure