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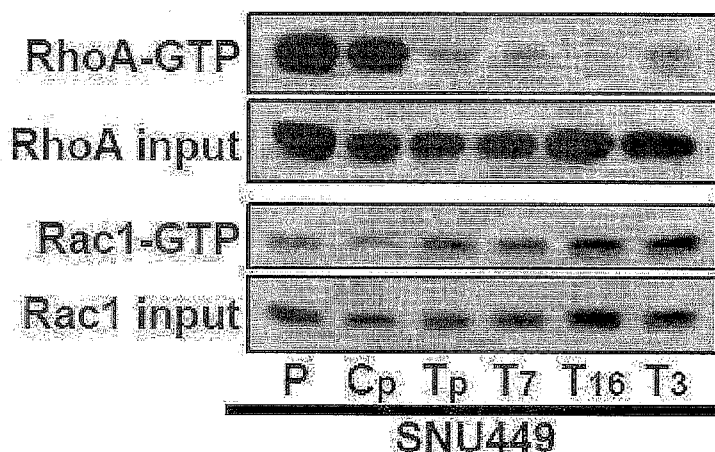
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(54) Title: METHOD FOR SCREENING ANTI-CANCER COMPOUNDS INHIBITING FUNCTION OF TM4SF5 AND ANTI-
CANCER COMPOSITION CONTAINING CHALCONE COMPOUNDS

(57) Abstract: The present invention relates to a method for screening an anticancer compound and an anticancer compound screened using the method, and more particularly, to a method for screening an anticancer compound, the method comprising: culturing cancer cells expressing the oncogenic protein transmembrane 4 L6 family member 5 (TM4SF5), expressed as the polypeptide of SEQ ID NO: 2, treating the cancer cells with an anticancer candidate, and determining that the anticancer candidate is an anticancer substance when the candidate exhibits antagonistic activity against tumor formation and metastasis based on several events through the molecular mechanism of TM4SF5. The present invention also relates to chalcone compounds screened to have anticancer activity using the method, and an anticancer composition comprising the compound as an effective ingredient.

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