ABSTRACT OF THE DISCLOSURE

Susceptibility of a tumor cell to an anticancer agent is tested by measuring an expression level or levels of a gene or genes selected from the group consisting of the genes listed in Tables 3 and 4 in a tumor cell collected from a cancer patient treated with an anticancer agent (E7070 and related compounds thereof), or causing the anticancer agent to act on a tumor cell collected from a cancer patient and measuring an expression level or levels of a gene or genes selected from the group consisting of the genes listed in Tables 3 and 4 in the tumor cell, and determining that the tumor cell is susceptible to the anticancer agent when the expression level or levels of the gene or genes listed in Table 3 increase, or the expression level or levels of the gene or genes listed in Table 4 decrease.



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