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Antineoplaston AS2-1

National Cancer Institute

Source

National Cancer Institute. *Antineoplaston AS2-1*. NCI Thesaurus. Code C1613.

A 4:1 mixture of phenylacetate and phenylacetylglutamine, degradation products of the antineoplaston agent A10. Antineoplaston AS2-1 inhibits the incorporation of L-glutamine into tumor-cell proteins, leading to cell cycle arrest in the G1 phase and inhibition of mitosis. This agent may also inhibit RAS oncogene expression and activate tumor suppressor gene p53, resulting in cell differentiation and apoptosis. (NCI04)