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Oncolytic Adenovirus Encoding GM-CSF

National Cancer Institute

Source

National Cancer Institute. *Oncolytic Adenovirus Encoding GM-CSF*. NCI Thesaurus. Code C48412.

A recombinant oncolytic adenovirus encoding the immunohematopoietic cytokine granulocyte-macrophage colony stimulating factor (GM-CSF) with potential antineoplastic activity. Upon administration, the oncolytic adenovirus selectively infects and replicates in tumor cells, which may result in tumor cells lysis. Synergistically, GM-CSF (sargramostim) expressed by the oncolytic adenovirus may promote a cytotoxic T cell response against tumor cells harboring the oncolytic adenovirus, resulting in an immune-mediated tumor cell death.