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DCR Ligand-Bearing Liposome-Encapsulated Melanoma Antigens Vaccine

National Cancer Institute

Source

National Cancer Institute. *DCR Ligand-Bearing Liposome-Encapsulated Melanoma Antigens Vaccine*. NCI Thesaurus. Code C90543.

A cancer cell-based vaccine containing liposome encapsulated melanoma antigens and an immunomodulatory factor, attached, via a metal chelator, to a dendritic cell receptor (DCR) ligand-containing a metal-affinity tag, with potential immunomodulating and antineoplastic activity. Upon intravenous administration of DCR ligand-bearing liposome-encapsulated melanoma antigens vaccine, the DCR ligand moiety of this vaccine targets receptors on dendritic cells (DCs), thereby presenting the antigens to DCs which may, in turn, stimulate the DCs and may activate the immune system to mount a cytotoxic T lymphocyte (CTL) response against melanoma cancer cell associated antigens.