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# GM2/GD2/GD3 Lactone-KLH Conjugate Trivalent Vaccine

National Cancer Institute

## Source

National Cancer Institute. *GM2/GD2/GD3 Lactone-KLH Conjugate Trivalent Vaccine*. NCI Thesaurus. Code C91377.

A trivalent cancer vaccine containing the ganglioside lactones GM2, GD2 and GD3 conjugated with the immunostimulant keyhole limpet hemocyanin (KLH), with potential antineoplastic activity. Vaccination with GM2 lactone/GD2 lactone/GD3 lactone-KLH conjugate trivalent vaccine may elicit antibodies against tumor cells expressing any of these epitopes, resulting in an antibody-dependent cell-mediated cytotoxicity (ADCC) against tumor cells expressing these gangliosides. GM2, GD2 and GD3 are tumor associated antigens (TAAs) that are overexpressed in a variety of tumor cell membranes.