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Multi-epitope Folate Receptor Alpha Peptide Vaccine

National Cancer Institute

Source

National Cancer Institute. *Multi-epitope Folate Receptor Alpha Peptide Vaccine*. NCI Thesaurus. Code C101777.

A peptide vaccine containing five immunogenic peptide epitopes of the human folate receptor alpha (FR alpha or FOLR1), including FR30, FR56, FR76, FR113, and FR238, with potential immunomodulating and antineoplastic activity. Upon administration, the multi-epitope FR alpha peptide vaccine may induce a cytotoxic T-lymphocyte (CTL) response against FR alpha-overexpressing tumor cells. FR alpha is a high-affinity folate-binding protein and a member of the folate receptor family; this receptor is overexpressed in a majority of ovarian cancers and in about 50% of breast cancers.