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CNGRC Peptide-TNF Alpha Conjugate

National Cancer Institute

Source

National Cancer Institute. *CNGRC Peptide-TNF Alpha Conjugate*. NCI Thesaurus. Code C48383.

A cytokine-peptide conjugate composed of the cytokine tumor necrosis factor alpha (TNF-alpha) chemically linked to the peptide CNGRC. The peptide moiety CNGRC, a ligand for the membrane-bound metalloprotease CD13, binds to endothelial cells of the angiogenic vasculature that express CD13 (also known as aminopeptidase N); subsequently, the TNF-alpha moiety induces apoptosis in endothelial cells expressing CD13, thereby inhibiting tumor-associated angiogenesis. (NCI05)