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# Plasmid Encoding Antiangiogenic Metargidin Peptide

National Cancer Institute

## Source

National Cancer Institute. *Plasmid Encoding Antiangiogenic Metargidin Peptide*. NCI Thesaurus. Code C90537.

A plasmid encoding the protein antiangiogenic metargidin plasmid (AMEP), the disintegrin domain of ADAM-15 (metargidin), with potential antiangiogenic and antimetastatic activities. Upon intratumoral electrotransfer of plasmid encoding AMEP, AMEP binds to cellular integrin receptors alpha-v-beta-3 (avb3) and alpha-5-beta-1 (a5b1), which are upregulated on activated endothelial cells and a variety of tumor cells. Binding to the integrin receptors may inhibit angiogenesis and may inhibit tumor cell proliferation.