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Enfortumab Vedotin

National Cancer Institute

Source

National Cancer Institute. *Enfortumab Vedotin*. NCI Thesaurus. Code C114500.

An antibody drug conjugate (ADC) containing a human monoclonal antibody AGS-22 targeting the cell adhesion molecule nectin-4 and conjugated to the cytotoxic agent monomethyl auristatin E (MMAE), via a proprietary enzyme-cleavable linker (AGS-22CE), with potential antineoplastic activity. The monoclonal antibody moiety of enfortumab vedotin selectively binds to nectin-4. After internalization and proteolytic cleavage, MMAE binds to tubulin and inhibits its polymerization, which results in G2/M phase arrest and induces apoptosis in nectin-4 overexpressing tumor cells. Nectin-4, a tumor associated antigen belonging to the nectin family, is overexpressed in a variety of cancers, including breast, bladder, lung and pancreatic cancer.