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# ADH-1

National Cancer Institute

## Source

National Cancer Institute. *ADH-1*. NCI Thesaurus. Code C53399.

A small, cyclic pentapeptide vascular-targeting agent with potential antineoplastic and antiangiogenic activities. ADH-1 selectively and competitively binds to and blocks N-cadherin, which may result in disruption of tumor vasculature, inhibition of tumor cell growth, and the induction of tumor cell and endothelial cell apoptosis. N-cadherin, a cell-surface transmembrane glycoprotein of the cadherin superfamily of proteins involved in calcium-mediated cell-cell adhesion and signaling mechanisms; may be upregulated in some aggressive tumors and the endothelial cells and pericytes of some tumor blood vessels.