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# Galectin Inhibitor GR-MD-02

National Cancer Institute

## Source

National Cancer Institute. *Galectin Inhibitor GR-MD-02*. NCI Thesaurus. Code C115111.

A carbohydrate-based galectin inhibitor, with potential antineoplastic activity. Galectin inhibitor GR-MD-02 binds to the carbohydrate-binding domain of galectins, especially galectin-3, and may result in an induction of apoptosis mediated through activation of both mitochondria and caspases. This may reduce tumor growth in galectin-overexpressing tumor cells. Galectins, often overexpressed on tumor cells, play a key role in cancer cell proliferation, apoptosis, tumor angiogenesis and evasion of immune responses.