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# DNMT1 Mixed-Backbone Antisense Oligonucleotide MG 98

National Cancer Institute

## Source

National Cancer Institute. *DNMT1 Mixed-Backbone Antisense Oligonucleotide MG 98*.

NCI Thesaurus. Code C2530.

A second-generation, mixed-backbone, phosphorothioate antisense oligonucleotide (ODN) with potential antitumor activity. MG 98 is a highly specific inhibitor of translation of the mRNA for human DNA (cytosine-5-)-methyltransferase 1 (DNMT1), hybridizing to the 3' un-translated region of DNMT1 mRNA. The silencing of DNMT1 translation by MG 98 may result in the prevention or reversal of abnormal methylation of tumor suppressor genes and ultimately in tumor growth inhibition or tumor regression.