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Pibenzimol

National Cancer Institute

Source

National Cancer Institute. *Pibenzimol*. NCI Thesaurus. Code C546.

A fluorescent dye of benzimidazole derivative. Pibenzimol binds to AT-specific sites in the minor groove of duplex DNA and inhibits topoisomerase I, and DNA polymerase, thereby preventing DNA replication. This agent prolongs the G2 phase of the cell cycle and initiates apoptosis in tumor cells. (NCI04)