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MDR Modulator CBT-1

National Cancer Institute

Source

National Cancer Institute. *MDR Modulator CBT-1*. NCI Thesaurus. Code C67042.

A naturally-occurring, orally bioavailable bisbenzylisoquinoline plant alkaloid with potential chemosensitization activity. MDR modulator CBT-1 binds to and inhibits the MDR efflux pump P-glycoprotein (P-gp), which may inhibit the efflux of various chemotherapeutic agents from tumor cells and reverse P-gp-mediated tumor cell MDR. P-gp is a transmembrane ATP-binding cassette (ABC) transporter and is overexpressed by some multidrug resistant tumors.