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¹⁴C BMS-275183

National Cancer Institute

Source

National Cancer Institute. *¹⁴C BMS-275183*. NCI Thesaurus. Code C62553.

An orally bioavailable taxane compound, a C-4 methyl carbonate analogue of paclitaxel, labeled with radioactive carbon 14, with potential antineoplastic and radioimaging activities. BMS-275183 binds to tubulin and as a result inhibits microtubule disassembly or assembly. This leads to cell cycle arrest at the G2/M phase, thereby resulting in an inhibition of cell division and ultimately cell death. BMS-275183 may be useful for treating multi-drug resistant tumors as it does not appear to be a substrate for P-glycoprotein.