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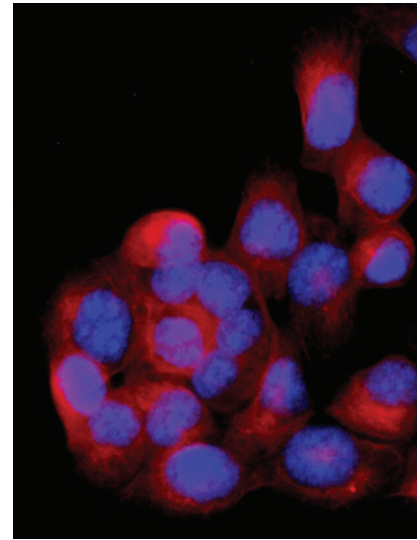
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ABOUT THE COVER

2-ME2-PD1, a novel prodrug of 2-ME2, has significant antitumorigenic properties with superior bioavailability. Like 2-ME2, 2-ME2-PD1 can also inhibit proliferation and growth of BAC cells. It is well established that antimetabolic and antiproliferative action of 2-ME2 is mediated via microtubule disruption. By immunofluorescence, it has been confirmed that, on treatment of BAC cells with 2-ME2-PD1, a dose-dependent disruption of cellular microtubules is taking place, which is associated with the change of cellular morphology and loss of cellular integrity. Thus, like 2-ME2, 2-ME2-PD1 may impart its antiproliferative activity on OE33 cells by targeting the cellular microtubules. This work was specifically carried out by Amlan Das, one of the authors of this article. For details, see article by Kambhampati on page 255.



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