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Triciribine Phosphate

National Cancer Institute

Source

National Cancer Institute. *Triciribine Phosphate*. NCI Thesaurus. Code C1262.

The phosphate salt of the synthetic, cell-permeable tricyclic nucleoside triciribine with potential antineoplastic activity. Triciribine inhibits the phosphorylation, activation, and signalling of Akt-1, -2, and -3, which may result in the inhibition of Akt-expressing tumor cell proliferation. Akts are anti-apoptotic serine/threonine-specific protein kinases that phosphorylate and inactivate components of the apoptotic machinery, including Bcl-xL/Bcl-2-associated death promoter (BAD) and caspase 9.