

Cat No. 32-M26



Triciribine

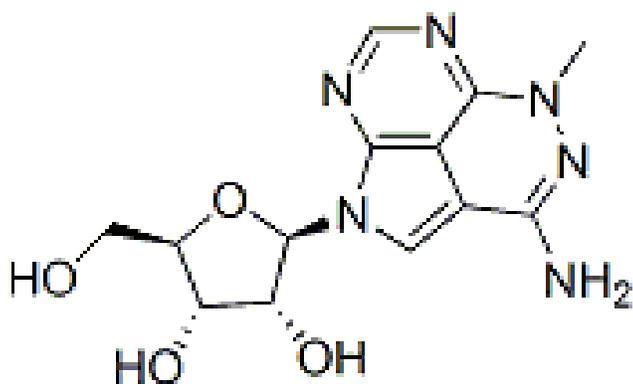
1mg

For research purposes only

Triciribine is a synthetic cell-permeable and reversible tricyclic nucleoside that selectively inhibits the phosphorylation, activation, and signalling of Akt-1, -2, and -3 but does not inhibit Akt kinase activity or upstream Akt activators, PI3-Kinase or PDK1. It has shown to inhibit cell growth and induce apoptosis in cancer cells with aberrant Akt activity both in vitro and in vivo.

TECHNICAL INFORMATION

STORAGE AND HANDLING



Storage: Store at -4°C and protected from light.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at 25mg/ml.

Other Names: 1,5-dihydro-5-methyl-1- β -D-ribofuranosyl-1,2,5,6,8-pentaazaacenaphthylen-3-amine

Chemical Formula: $\text{C}_{13}\text{H}_{16}\text{N}_6\text{O}_4$

CAS Number: 35943-35-2

PubChem Substance ID: 65399

Molecular Weight: 320.3

Purity: $\geq 98\%$

Appearance: Crystalline solid

Solubility: DMSO

IC₅₀ : 40.0 nM

REFERENCES

1. Yang, L., et al. 2004. Cancer Res. 64:4394-4399. PMID: 15231645
2. Gloesenkamp, C.R., et al. 2011. Int J Oncol. 40:876-88. PMID: 22075556
3. Evangelisti, C., et al. 2011. Cancer Res. 226:822-31. PMID: 20857426