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Telomerase Inhibitor X, BIBR1532 - CAS 321674-73-1 - Calbiochem A cell-permeable, selective, highly potent, non-nucleotide competitive inhibitor of telomerase activity (IC?? = 93 nM in HeLa cells nuclear extracts).

Art. ID SAF-5088390001

Unit EA

Description

A cell-permeable benzoic acid based compound that acts as a selective, highly potent, non-nucleotide competitive inhibitor of the catalytic activity of telomerase (IC50 = 93 nM in HeLa cells nuclear extracts). Also shown to be effective against recombinant, affinity purified telomerase. Blocks the growth and proliferation of HeLa cells (~ 20 &#181,M) by inducing apoptosis. The inhibition appears to be more prominent in TEL patch mutant cell lines. Causes a continuous erosion of telomeres in multiple human cancer cell lines. Does not affect the activity of DNA and RNA polymerases in any significant manner.Please note that the molecular weight for this compound is batch-specific due to variable water content., A cell-permeable benzoic acid based compound that acts as a selective, highly potent, non-nucleotide competitive inhibitor of the catalytic activity of telomerase (IC50 = 93 nM in HeLa cells nuclear extracts). Also shown to be effective against recombinant, affinity purified telomerase. Blocks the growth and proliferation of HeLa cells (~ 20 &#181,M) by inducing apoptosis. The inhibition appears to be more prominent in TEL patch mutant cell lines. Causes a continuous erosion of telomeres in multiple human cancer cell lines. Does not affect the activity of DNA and RNA polymerases in any significant manner.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	BIBR 1532	[321674-73-1]				