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PI-103 - CAS 371935-74-9 - Calbiochem A cell-permeable pyridinylfuranopyrimidine compound that acts as a potent and ATP-competitive inhibitor of DNA-PK, PI3-K, and mTOR.

Art. ID	SAF-528100-1MG
Unit	1 x 1 mg
Deliverydetails	No Dangerous Good

Description

A cell-permeable pyridinylfuranopyrimidine compound that acts as a potent and ATP-competitive inhibitor of DNA-PK, PI3-K, and mTOR (IC50 = 2, 8, 88, 48, 150, 26, 20, and 83 nM for DNA-PK, p110alpha, p110beta, p110delta, p110gamma, PI3-KC2beta, mTORC1, and mTORC2, respectively). It inhibits ATR and ATM only at much higher concentrations (IC50 = 850 and 920 nM, respectively) and exhibits little activity towards a panel of more than 40 other kinases even at concentrations as high as 10 &#181,M. Shown to effectively block PI3-K/Akt signaling and cell proliferation in glioma cell lines both in vitro and in vivo. A 10 mM (2 mg/574 &#181,l) solution of PI-103 (Cat. No. 528101) in DMSO is also available.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	PI 103	[371935-74-9]				