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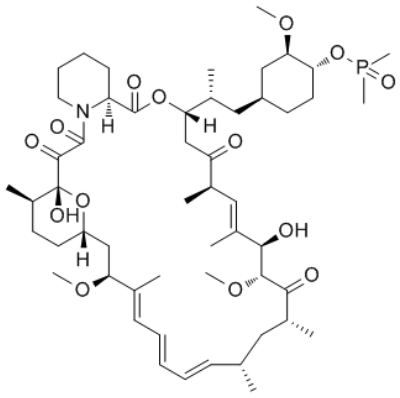
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Deforolimus
Cat. No.	:	PC-45902
CAS No.	:	572924-54-0
Molecular Formula	:	$C_{53}H_{84}NO_{14}P$
Molecular Weight	:	990.2061
Target	:	mTOR
Solubility	:	DMSO: ≥ 44 mg/mL



Biological Activity

Deforolimus (AP-23573, MK-8669, Ridaforolimus) potent, selective **mTOR** inhibitor with IC50 of 0.2 nM in HT-1080 cell line.
Deforolimus displays significant antiproliferative activity a broad panel of cell lines with EC50 of 0.2-2.3 nM.
Deforolimus potently and selectively inhibits VEGF production in a dose-dependent manner.
Deforolimus exerts significant antitumor effects in mice bearing PC-3 (prostate), HCT-116 (colon), MCF7 (breast), PANC-1 (pancreas) or A549 (lung) xenografts.

References

Rivera VM, et al. ***Mol Cancer Ther***. 2011 Jun;10(6):1059-71.

Legrier ME, et al. ***Cancer Res.*** 2007 Dec 1;67(23):11300-8.

Becker MA, et al. ***BMC Cancer.*** 2016 Oct 20;16(1):814.

E-mail: tech@probechem.com