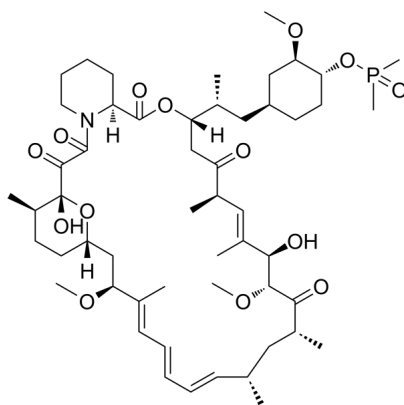


Data Sheet

Product Information

Catalog Number	BP12749
Product Name	Ridaforolimus
Description	<p>Ridaforolimus is a small molecule and non-prodrug analogue of the lipophilic macrolide antibiotic rapamycin with potential antitumor activity. Ridaforolimus binds to and inhibits the mammalian target of rapamycin (mTOR), which may result in cell cycle arrest and, consequently, the inhibition of tumor cell growth and proliferation.</p> <p>Upregulated in some tumors, mTOR is a serine/threonine kinase involved in regulating cellular proliferation, motility, and survival that is located downstream of the PI3K/Akt signaling pathway.</p>
Targets&IC50	mTOR (HT-1080 cells):0.2 nM
Synonyms	MK-8669, Deforolimus, AP23573
CAS No.	572924-54-0
Chemical Formula	C53H84NO14P
Molecular Weight	990.222
Solubility	DMSO: 182 mg/mL (183.8 mM) H2O: <1 mg/mL; Ethanol: <1 mg/mL
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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