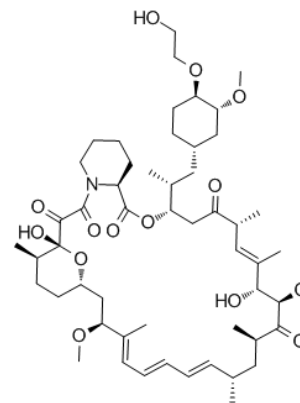


**Product Name** : Everolimus  
**Cat. No.** : PC-42463  
**CAS No.** : 159351-69-6  
**Molecular Formula** : C<sub>53</sub>H<sub>83</sub>NO<sub>14</sub>  
**Molecular Weight** : 958.2244  
**Target** : mTOR  
**Solubility** : DMSO: ≥ 54 mg/mL



## Biological Activity

Everolimus (RAD001) is a potent, highly specific, orally active **mTOR** inhibitor with IC<sub>50</sub> of 5-6 nM for binding to FKBP-12 or FKBP-12 complexed to mTOR.

Everolimus (RAD001) inhibits proliferation in vitro (IC<sub>50</sub>=1 nM-1 μM) in sensitive and insensitive tumor.

Everolimus (RAD001) dose-dependently inhibits tumor growth in vivo.

## References

Sedrani R, et al. *Transplant Proc.* 1998 Aug;30(5):2192-4.

Schuler W, et al. *Transplantation.* 1997 Jul 15;64(1):36-42.

Lane HA, et al. *Clin Cancer Res.* 2009 Mar 1;15(5):1612-22.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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