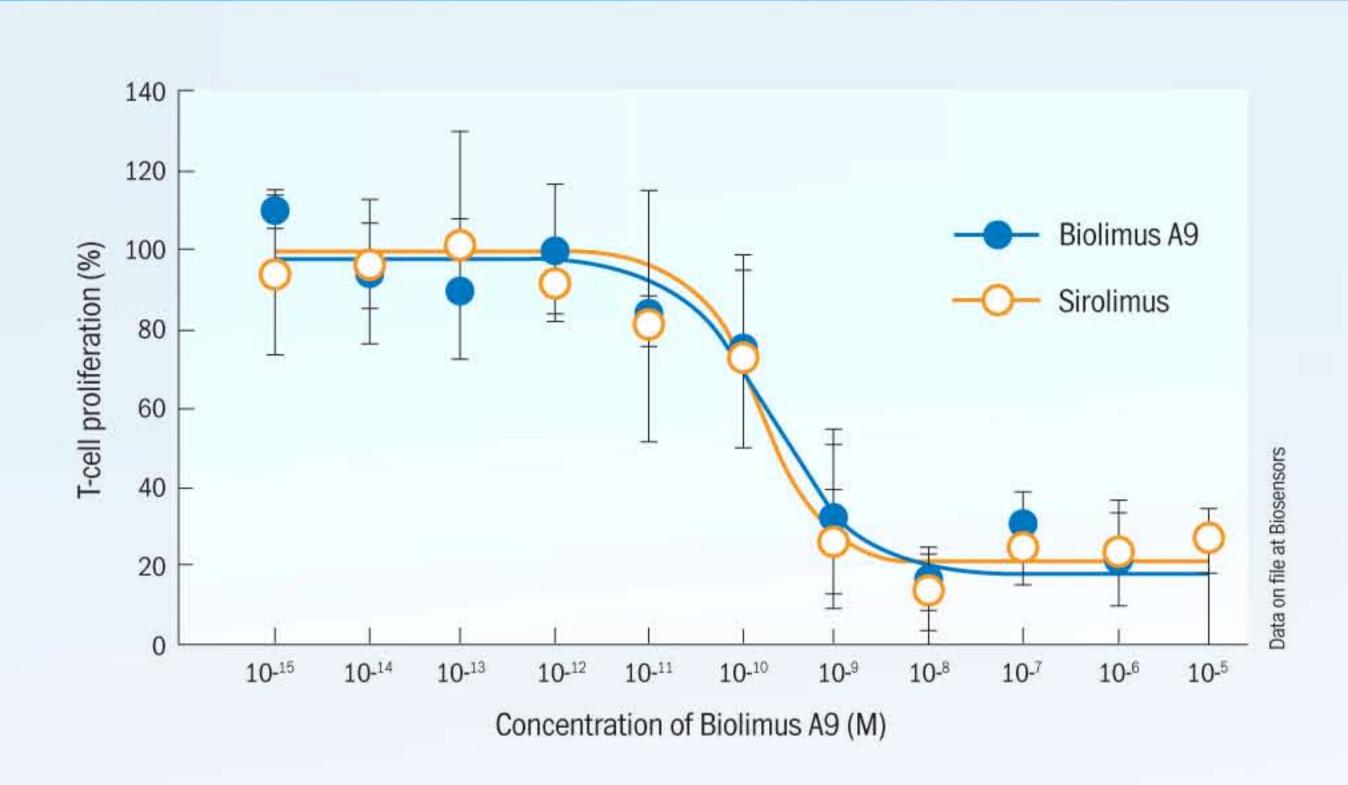




Same mechanism of action and metabolic pathway

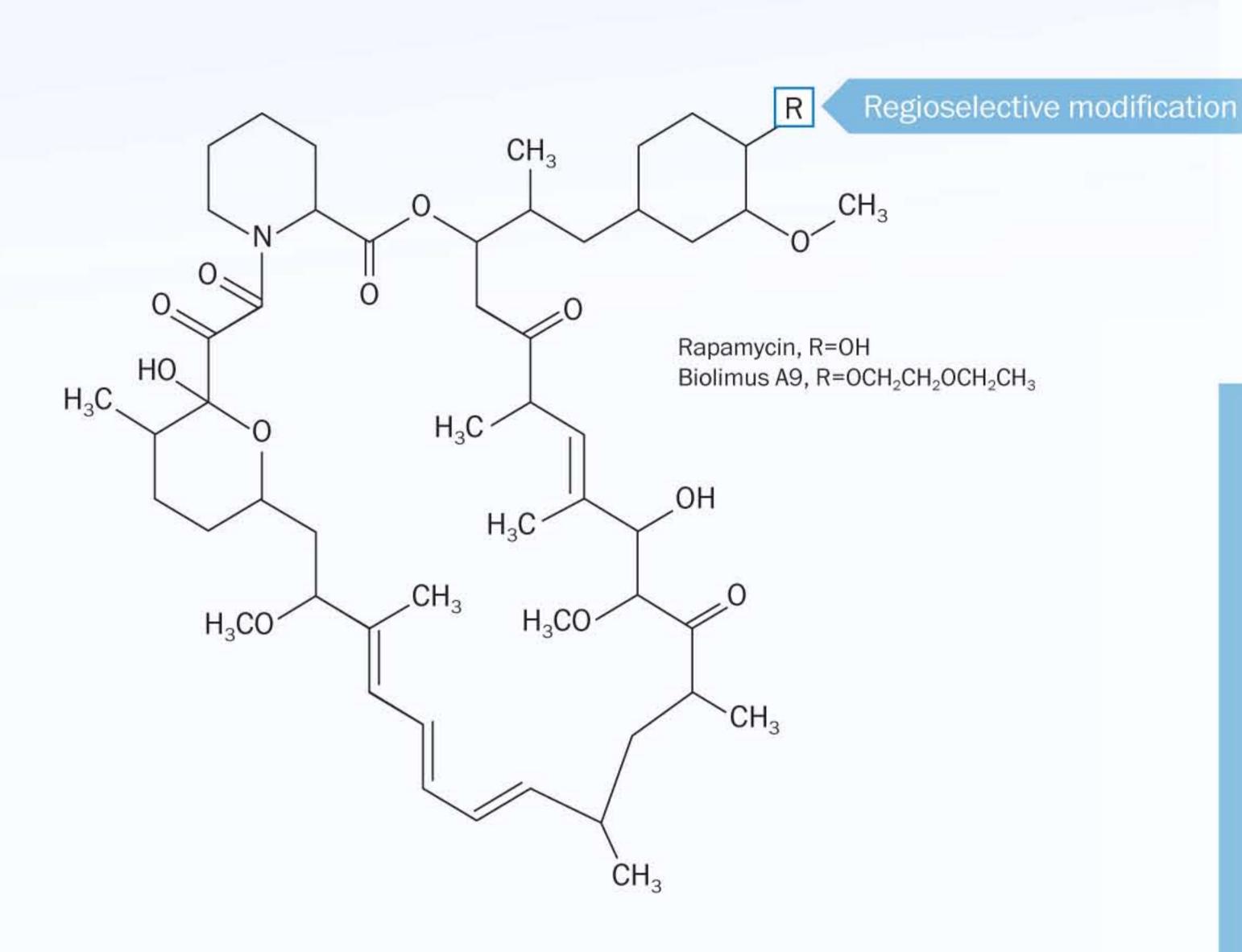
Mechanism of action



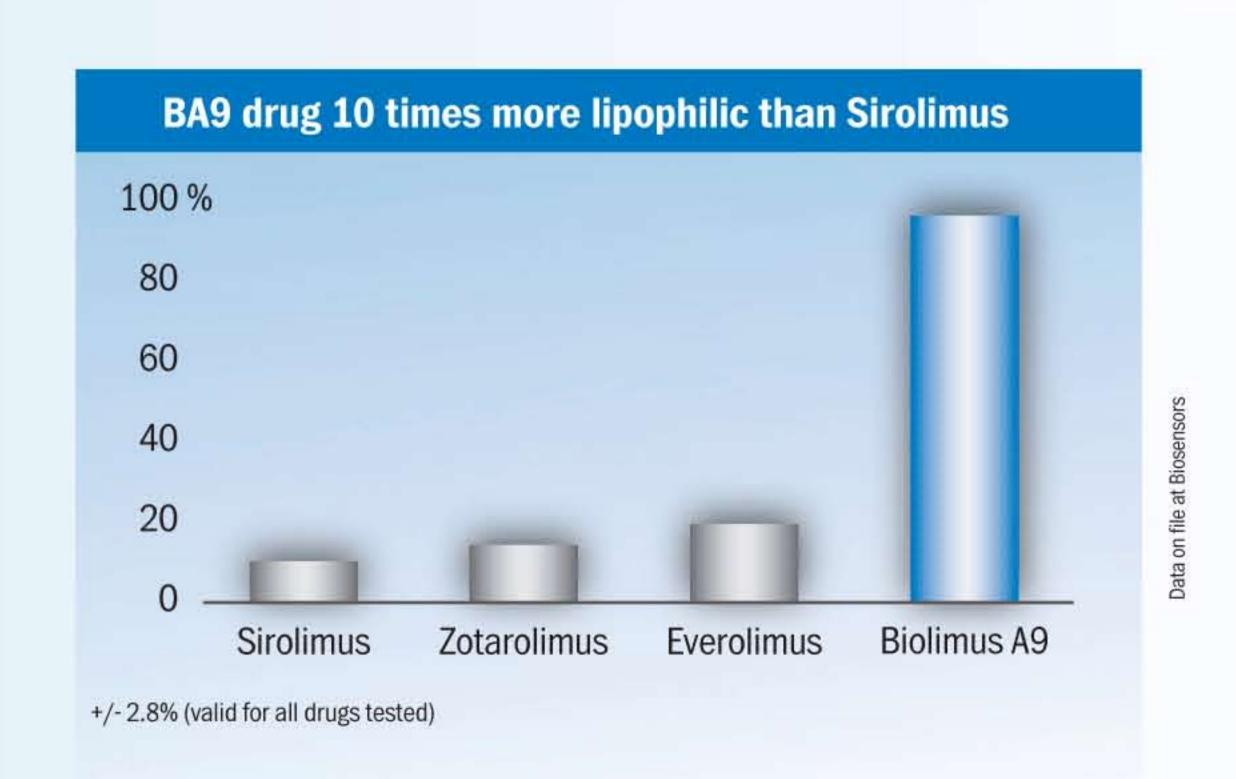
Inhibitory effect on human T-lymphocytes and vascular smooth muscle cells is similar for BA9 and sirolimus

Similar to sirolimus and everolimus, the highest metabolic activity of C14-BA9 was seen with CYP3A4

- > Based on same overall macrolide structure as mTOR inhibitors sirolimus and everolimus
- > Difference in lipophilicity attributed to regioselective modification at position R
- > High local bioavailability* compared with other similar mTOR inhibitors
 - * Bioavailability here refers to the amount of whole drug molecules that are available to act on the treatment area

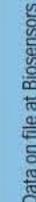


BA9: Lipophilic by design



BA9 is designed for targeted local applications such as with drug eluting or drug-coated stents

- Same mechanism of action
 BA9 structure retains the sirolimus
 macrolide ring structure
- BA9 is more lipophilic due to regioselective modification
- BA9 structure slows metabolism of drug by changing the affinity for enzymatic elimination
- M BA9 greater local bioavailability
- BA9 local tissue warehousing allows for sustained local drug release without polymer and with minimal systemic exposure







Designed for vascular stent technologies



Developed by Biosensors to treat vascular disease using stent technologies...

- > The inherent properties of BA9 differentiate it from the other common mTOR inhibitor limus drugs
- > BA9 is more lipophilic due to regioselective modification for more targeted effect
- > BA9 has greater local bioavailability than Sirolimus and Everolimus
- > BA9 structure slows drug metabolism by changing the affinity for enzymatic elimination
- > BA9's improved local tissue warehousing, provide Biosensors with a unique proprietary drug that is a key component of the BioFreedom DCS

Data on file at Biosensors International for any sustained claims in this brochure.

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