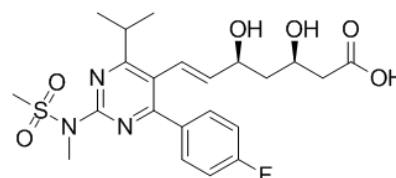


**Product Name** : Rosuvastatin  
**Cat. No.** : PC-45305  
**CAS No.** : 287714-41-4  
**Molecular Formula** : C<sub>22</sub>H<sub>28</sub>FN<sub>3</sub>O<sub>6</sub>S  
**Molecular Weight** : 481.5376  
**Target** : HMG-CoA Reductase (HMGCR)  
**Solubility** : 10 mM in DMSO



## Biological Activity

A potent, competitive inhibitor of HMG-CoA reductase (HMGCR) with IC<sub>50</sub> of 11 nM; potently inhibits cholesterol biosynthesis (IC<sub>50</sub>=1.12 nM) in rat isolated hepatocytes, 100 times more potent than pravastatin; also exerts important anti-inflammatory effects via inhibition of endothelial cell adhesion molecule expression.

Dyslipidemia  
Approved

## References

- Watanabe M, et al. Bioorg Med Chem. 1997 Feb;5(2):437-44.  
Kim YS, et al. J Cardiovasc Pharmacol. 2007 Jun;49(6):376-83.  
Stalker TJ, et al. Br J Pharmacol. 2001 Jun;133(3):406-12.

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

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