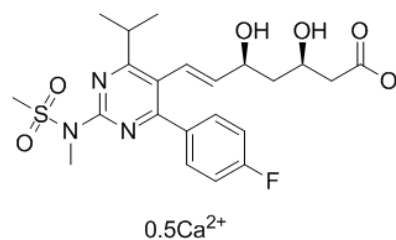


Product Name : Rosuvastatin calcium
Cat. No. : PC-45304
CAS No. : 147098-20-2
Molecular Formula : C₂₂H₂₇Ca_{0.5}FN₃O₆S
Molecular Weight : 500.57
Target : HMG-CoA Reductase (HMGCR)
Solubility : 10 mM in DMSO



Biological Activity

A potent, competitive inhibitor of HMG-CoA reductase (HMGCR) with IC₅₀ of 11 nM; potently inhibits cholesterol biosynthesis (IC₅₀=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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