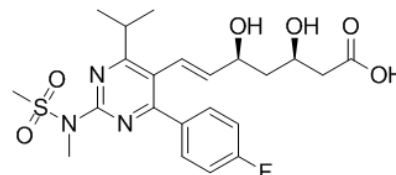


Product Name : Rosuvastatin
Cat. No. : PC-45305
CAS No. : 287714-41-4
Molecular Formula : C₂₂H₂₈FN₃O₆S
Molecular Weight : 481.5376
Target : HMG-CoA Reductase (HMGCR)
Solubility : 10 mM in DMSO



Biological Activity

Rosuvastatin (ZD-4522) is a potent, competitive inhibitor of HMG-CoA reductase (**HMGCR**) with IC₅₀ of 11 nM. Rosuvastatin (ZD-4522) potently inhibits cholesterol biosynthesis (IC₅₀=1.12 nM) in rat isolated hepatocytes, 100 times more potent than pravastatin. Rosuvastatin (ZD-4522) also exerts important anti-inflammatory effects via inhibition of endothelial cell adhesion molecule expression.

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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