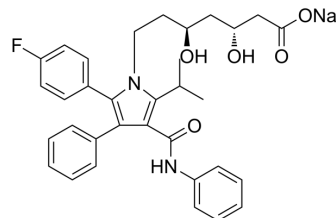


(3R,5S)-Atorvastatin sodium

Cat. No.:	HY-135374
CAS No.:	131275-93-9
Molecular Formula:	C ₃₃ H ₃₄ FN ₂ NaO ₅
Molecular Weight:	580.62
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(3R,5S)-Atorvastatin sodium is an impurity of Atorvastatin. Atorvastatin is an orally active HMG-CoA reductase inhibitor, has the ability to effectively decrease blood lipids. Atorvastatin inhibits human SV-SMC proliferation and invasion with IC₅₀s of 0.39 μM and 2.39 μM, respectively^{[1][2][3]}.

REFERENCES

- [1]. Santodomingo-Garzón T, et al. Atorvastatin inhibits inflammatory hypernociception. *Br J Pharmacol*. 2006 Sep;149(1):14-22.
- [2]. Turner NA, et al. Comparison of the efficacies of five different statins on inhibition of human saphenous vein smooth muscle cell proliferation and invasion. *J Cardiovasc Pharmacol*. 2007 Oct;50(4):458-61.
- [3]. Nawrocki, J.W., et al., Reduction of LDL cholesterol by 25% to 60% in patients with primary hypercholesterolemia by atorvastatin, a new HMG-CoA reductase inhibitor. *Arterioscler Thromb Vasc Biol*, 1995. 15(5): p. 678-82.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA