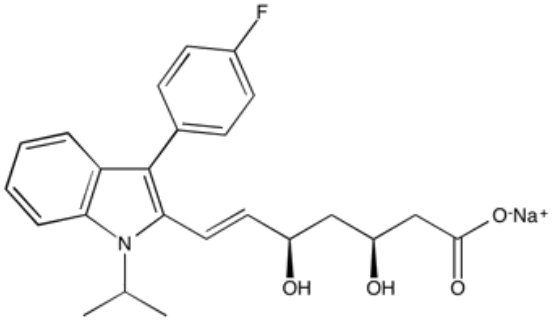
Catalog # 10-2554

Fluvastatin Na

CAS# 93957-55-2

(+/-)(3R*,5S*,6E)-7-[3-(4-Fluorophenyl)-1-(1-methylethyl)-1H-indol-2-yl]-3,5-dihydroxy-6-heptenoic acid sodium salt

Lot # X107397



Potent inhibitor of HMG-CoA reductase, IC_{50}=40-100 nM.[1] Clinically useful, orally active antihypercholesterolemic agent. Inhibits vascular smooth muscle proliferation, IC_{50}=70 nM.[2] Displays antineuroinflammatory activity.[3] Prevents lung adenocarcinoma bone metastasis by triggering autophagy.[4] Attenuates cell proliferation in hepatocellular carcinoma.[5]

1) Dansette *et al*. (2000), *HMG-CoA reductase activity in human liver microsomes: comparative inhibition by statins*; Exp. Toxicol. Pathol., **52** 145
2) Turner *et al*. (2007), *Comparison of the efficacies of five different statins on inhibition of human saphenous vein smooth muscle cell proliferation and invasion:* J. Cardiovasc. Pharmacol., **50** 458
3) McFarland *et al*. (2017), *Statins Reduce Lipopolysaccharide-Induced Cytokine and Inflammatory Mediator Release in an In Vitro Model of Microglial-like Cells*; Mediators Inflamm., Epub May 4
4) Yang *et al*. (2017), *Fluvastatin Prevents Lung Adenocarcinoma Bone Metastasis by Triggering Autophagy*; EBioMedicine, **19** 49
5) Higashi *et al*. (2016), *Statin attenuates cell proplerative ability via TAZ (WWTR1) in hepatocellular carcinoma*; Med. Oncol., **33** 123

PHYSICAL DATA

Molecular Weight:	466.45
Molecular Formula:	$C_{24}H_{25}FNO_4 \cdot Na$
Purity:	98% by HPLC NMR: (Conforms)
Solubility:	DMSO (up to 40 mg/ml) or Water (up to 10 mg/ml)
Physical Description:	Tan solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

www.focusbiomolecules.com