

	lovastatin	ezetimibe	cholestyramine	niacin	gemfibrozil
class	statin	absorbtion blocker	resin	nicotinamide derivative	fibrate
mech	inhibit HMG CoA reductase	blocks absorption of cholesterol from GI tract	binds bile acids, metabolites of cholesterol and promotes excretion	inhibits lipolysis in adipose, inhibits VLDL secretion, decr HDL catabolism	ligand for PPAR-alpha receptor: clear TGs, decr apoC-III, stim apoA-I and II
chol	reduced synthesis (and isoprenoids)	reduced absorpction	incr conversion to bile acids		
LDL-R	↑	↑	↑		↑
LDL	20-40% ↓	↓	20% ↓	↓	↓
VLDL			may ↑	↓	↓
TGs	10-20% ↓			↓	↓
HDL	5-10% ↑			↑	↑
admin	admin at night w/ food	synergistic w/ statins		crystalline prep	
absorb				rapid, complete	rapid w/ food
metab	extensive first pass, CYP3A4	active gluc metabolite		extensive first pass	
excr	biliary			renal	renal
T1/2	1-3 hrs (others longer)	22 hrs (enterohepatic circulation)			
AEs	hepatotoxicity (LFTs up to 3x OK), myopathy w/ incr creatine kinase (may lead to rhabdomyolysis, myoglobinuria, renal failure), hypersensitivity, constipation, insomnia	reversible imparied hepatic function	constipation, bloating, heartburn, diarrhea, malabsorption of vit K or folic acid	flushing (mediated by PG and prevented by aspirin), skin (dry skin, pruritis, rash), GI (nausea, diarrhea, inc acid), decr glucose tolerance, hyperuricemia (gout), hepatotoxicity, arrhythmias, toxic amblyopia	incr risk for gallstones, GI, rash, myopathy, arrhythmia, hypokalemia, elevation of LFTs
interact	P450: macrolide ABs, cyclosporine, ketoconazole, HIV prot inhibitors, grapefruit juice, metronidazole, sulfinpyrazone, amiodarone, cimetidine; also verapimil, amiodarone, gemfibrozil incr myopathy	no P450, cholestyramine decr AUC 55%	may impar absorption of drugs: digitalis, thiazides, warfarin, tertacycline		potentiates warfarin