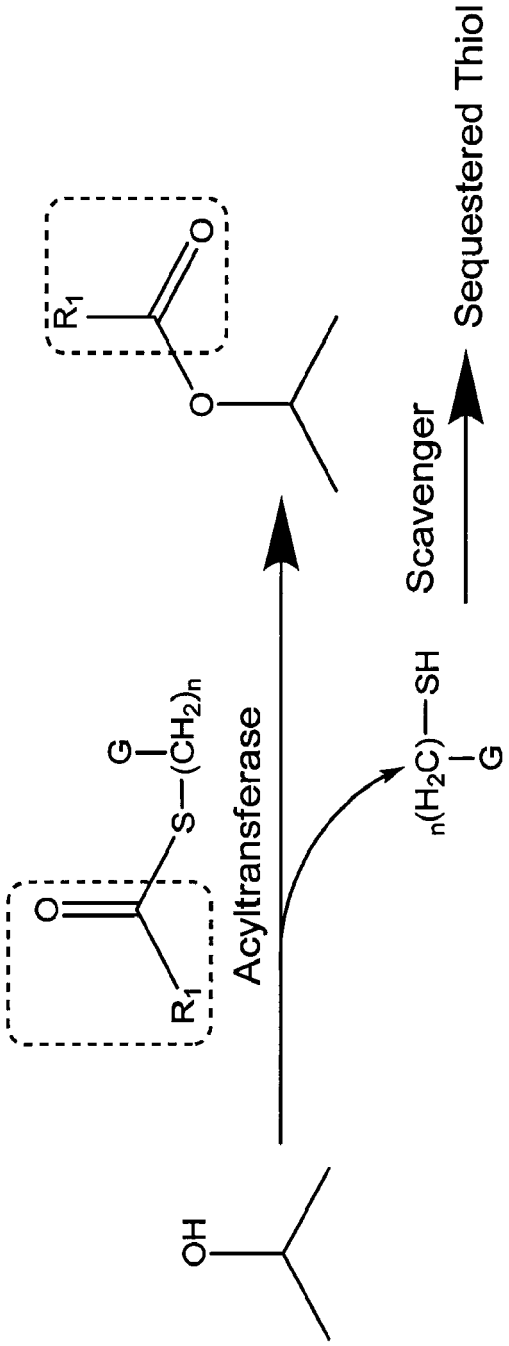

Sequestered Thiol
Scavenger
Acyltransferase
OH
G
S—(CH2)n
O
R1
n(H2C)—SH
G
O
R1

FIGURE 1

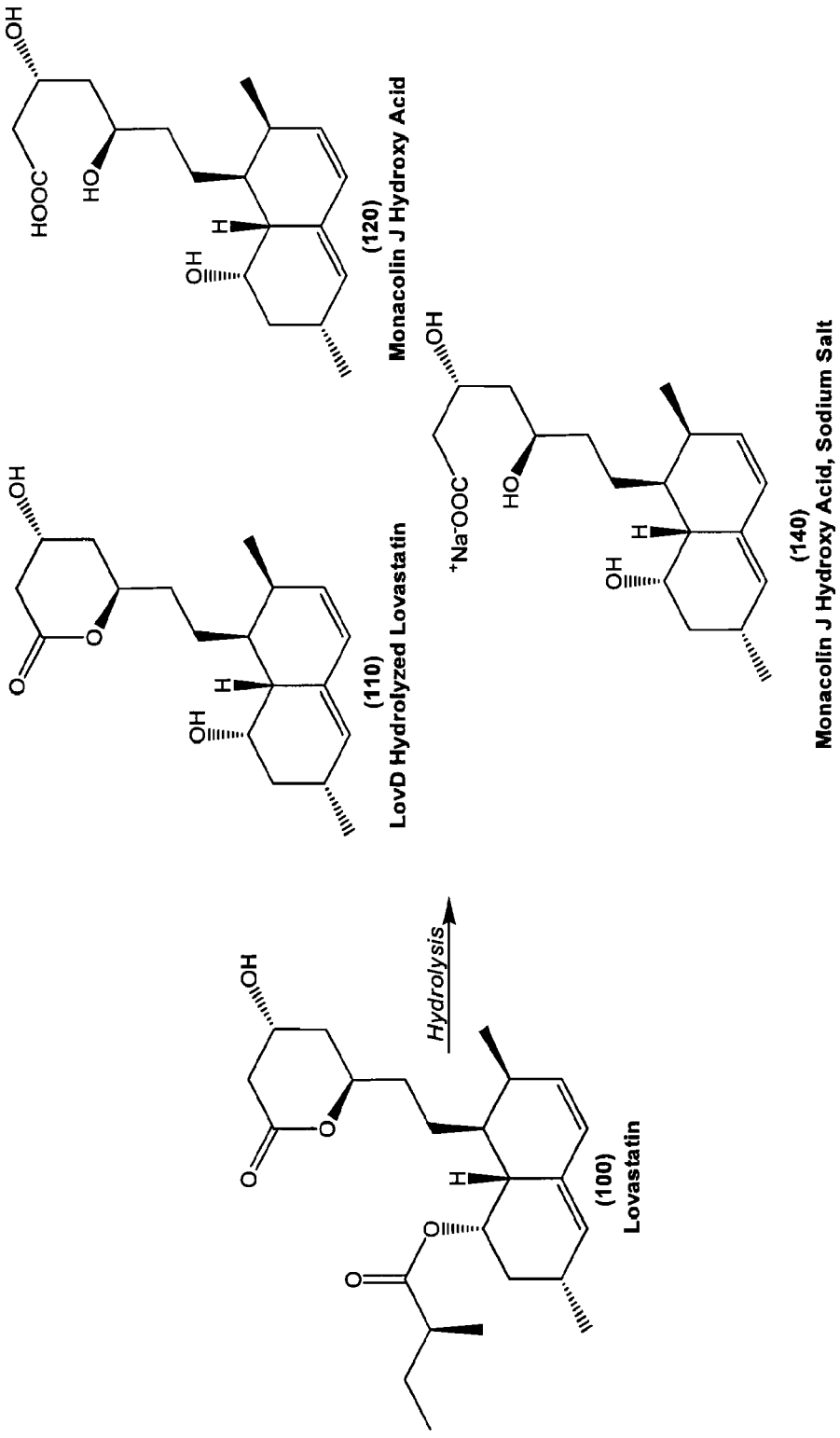

Hydrolysis
(100)
Lovastatin
(110)
LovD Hydrolyzed Lovastatin
(120)
Monacolin J Hydroxy Acid
(140)
Monacolin J Hydroxy Acid, Sodium Salt

FIGURE 2

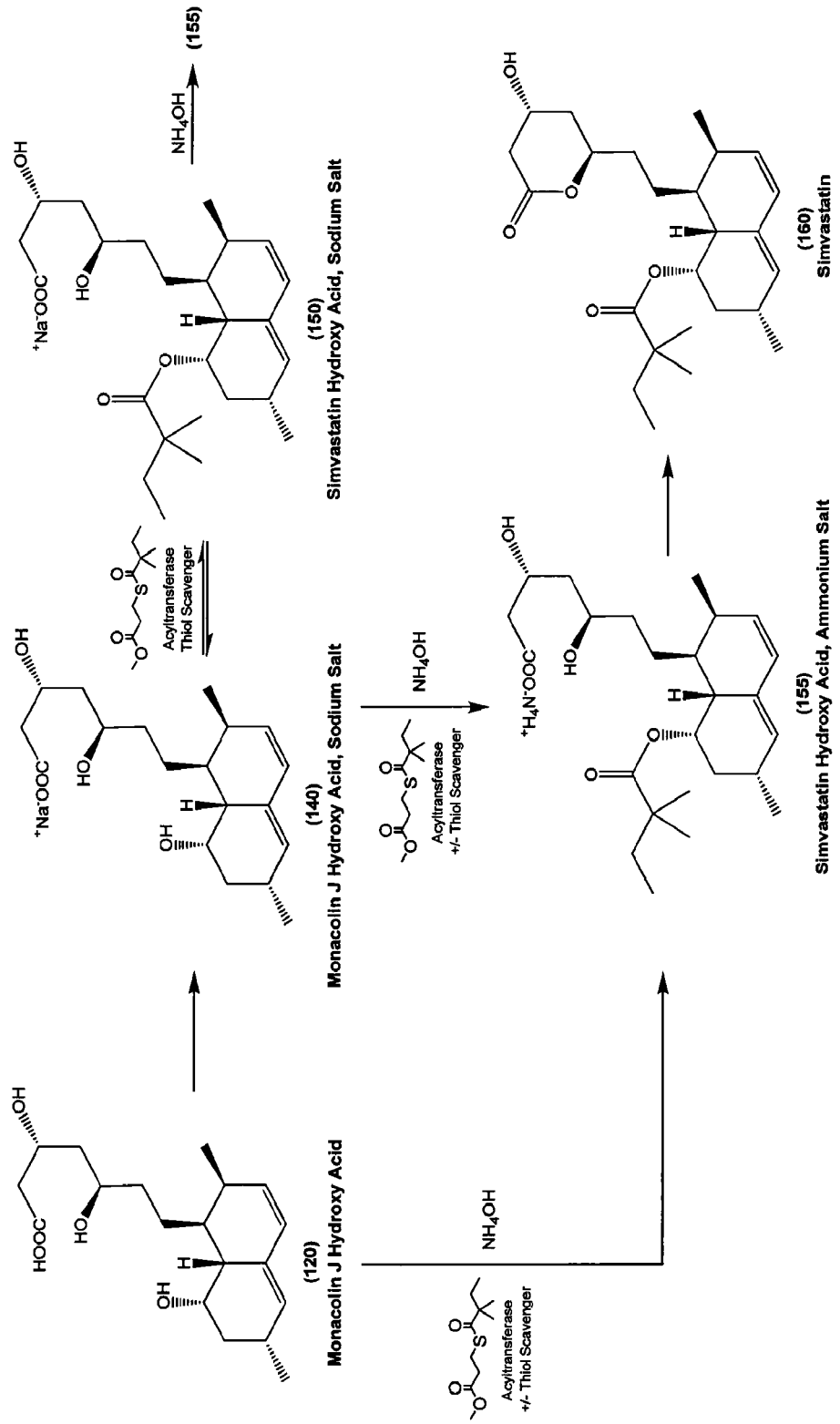

(120)
Monacolin J Hydroxy Acid
(140)
Monacolin J Hydroxy Acid, Sodium Salt
(150)
Simvastatin Hydroxy Acid, Sodium Salt
(155)
Simvastatin Hydroxy Acid, Ammonium Salt
(160)
Simvastatin
NH4OH
Acyltransferase
+/- Thiol Scavenger
Acyltransferase
Thiol Scavenger

FIGURE 3

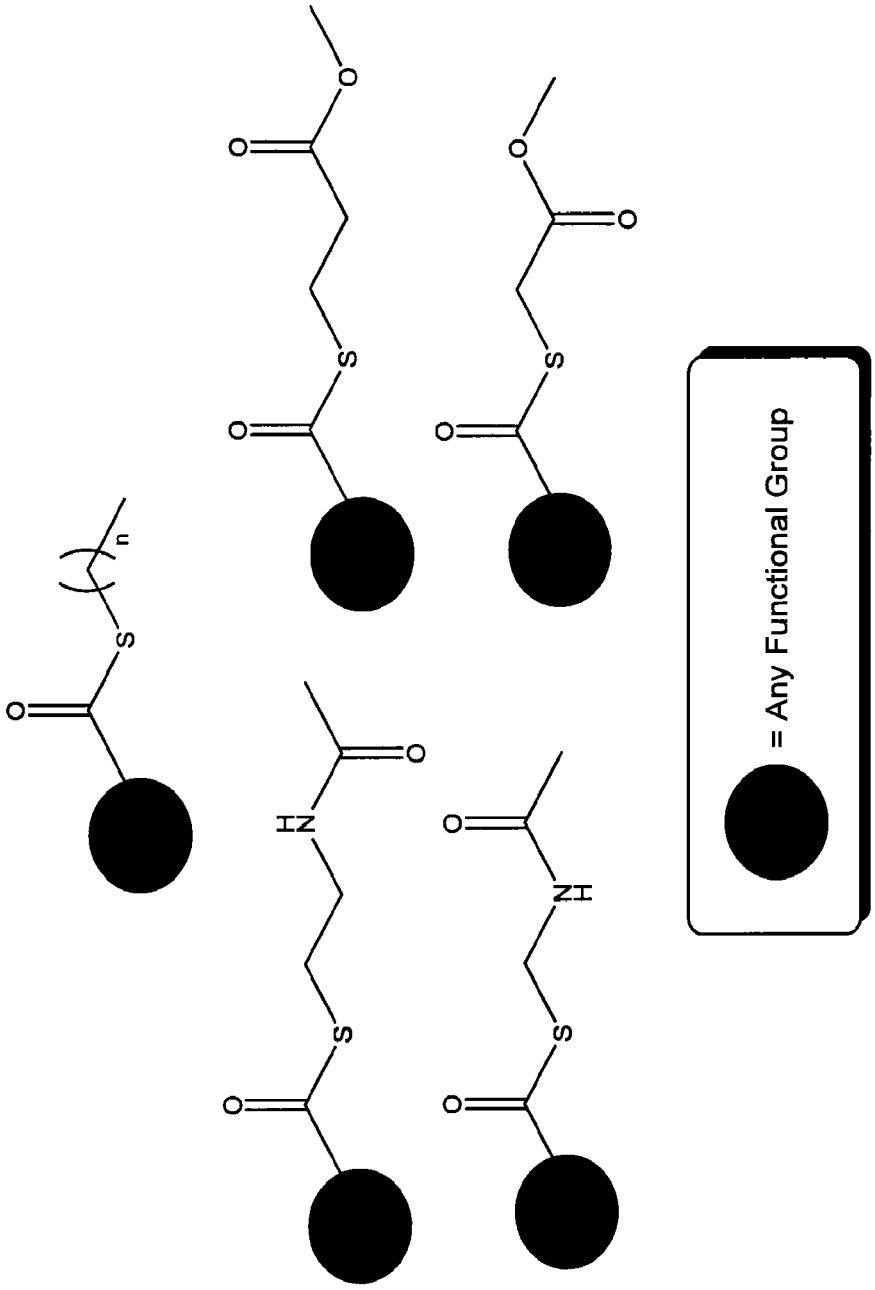


FIGURE 4

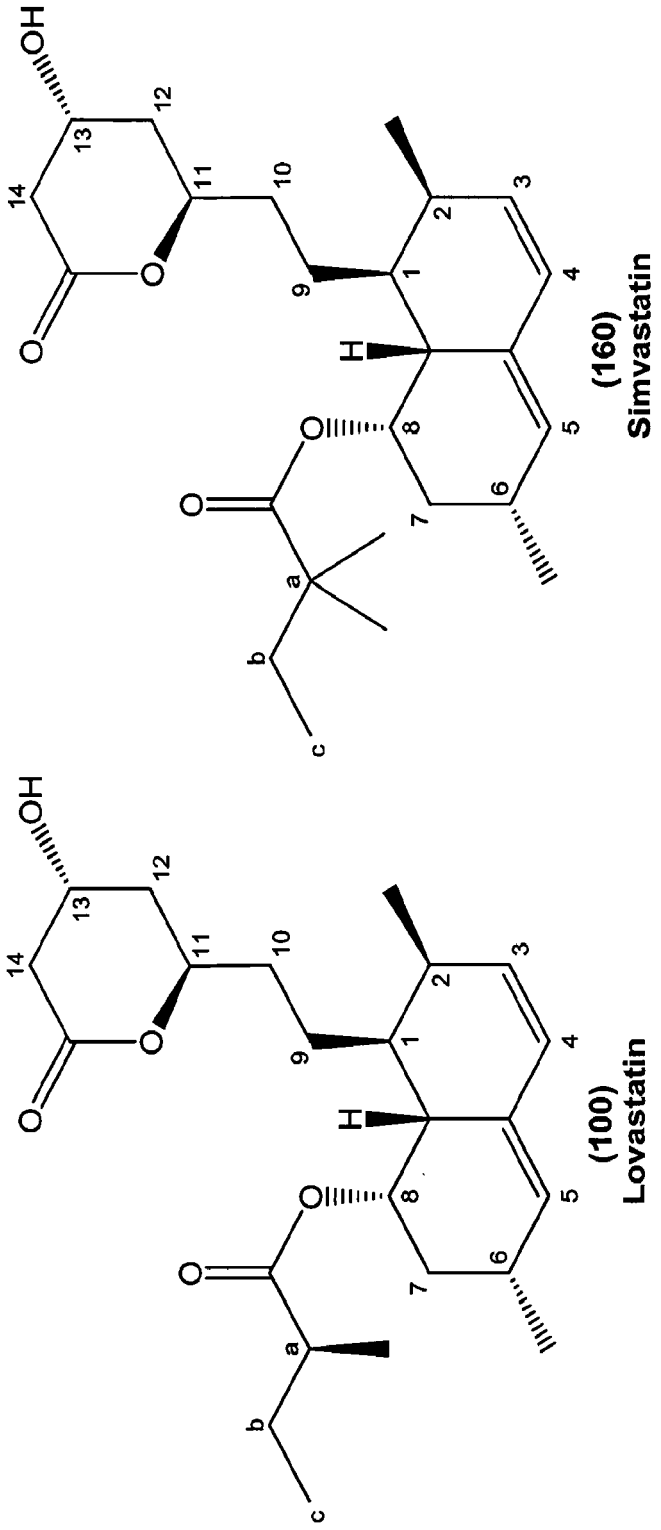


FIGURE 5

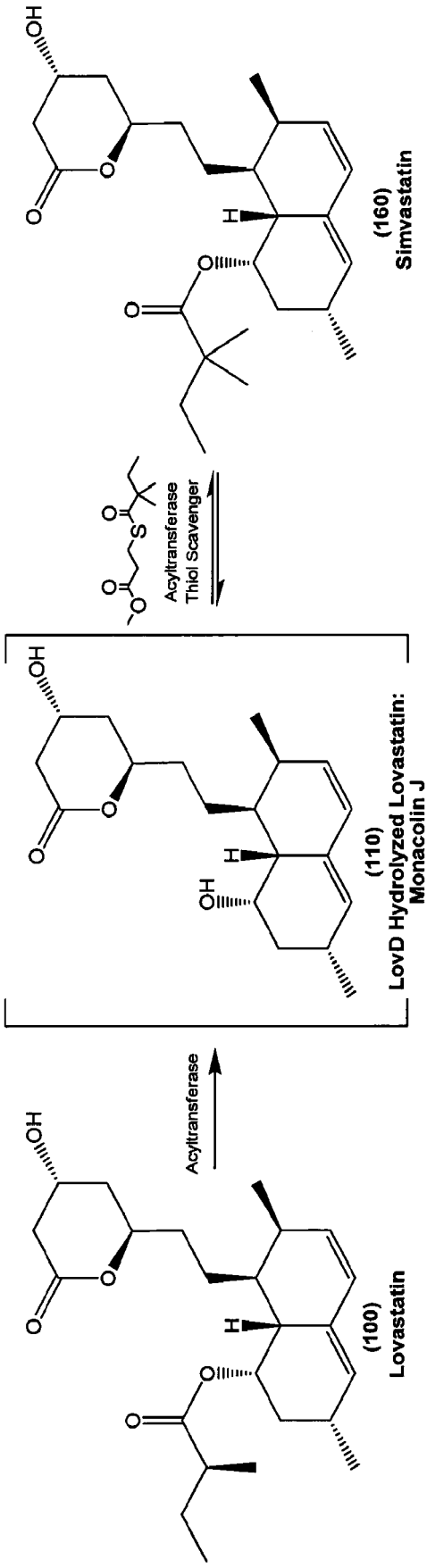

(100)
Lovastatin
Acyltransferase
(110)
LovD Hydrolyzed Lovastatin:
Monacolin J
Acyltransferase
Thiol Scavenger
(160)
Simvastatin

FIGURE 6