

Simcyp platform
PK-Sim platform

UGT1A1 lactonization liver

PON1 lactonization
plasma

Plasma esterase &
CES1 liver

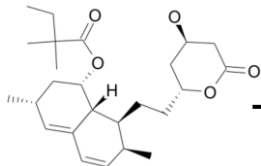
PON1 plasma &
CES1 liver

OATP1B1
uptake in liver

OATP1B1
uptake in liver

BCRP efflux

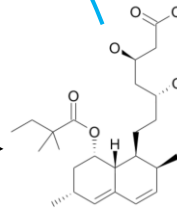
BCRP efflux



Simvastatin Lactone

CYP3A4
metabolism

CYP3A4
metabolism



Simvastatin Acid

Non-specific
metabolism

Non-specific
metabolism

