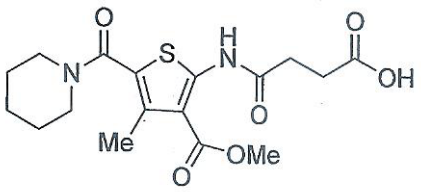
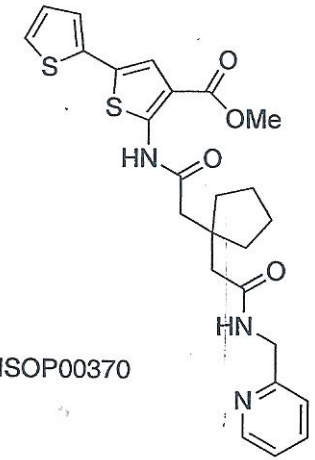


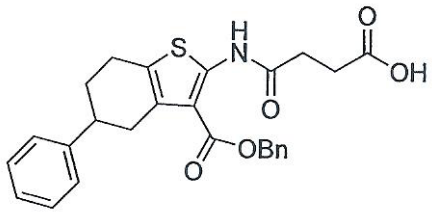
NSOP00313

Chemical Formula: $C_{17}H_{22}N_2O_6S$
Molecular Weight: 382.431



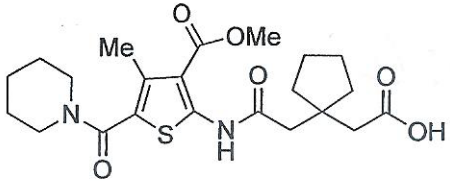
NSOP00370

Chemical Formula: $C_{25}H_{27}N_3O_4S_2$
Molecular Weight: 497.630



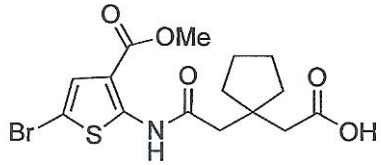
NSOP00325

Chemical Formula: $C_{26}H_{25}NO_5S$
Molecular Weight: 463.545



NSOP00318

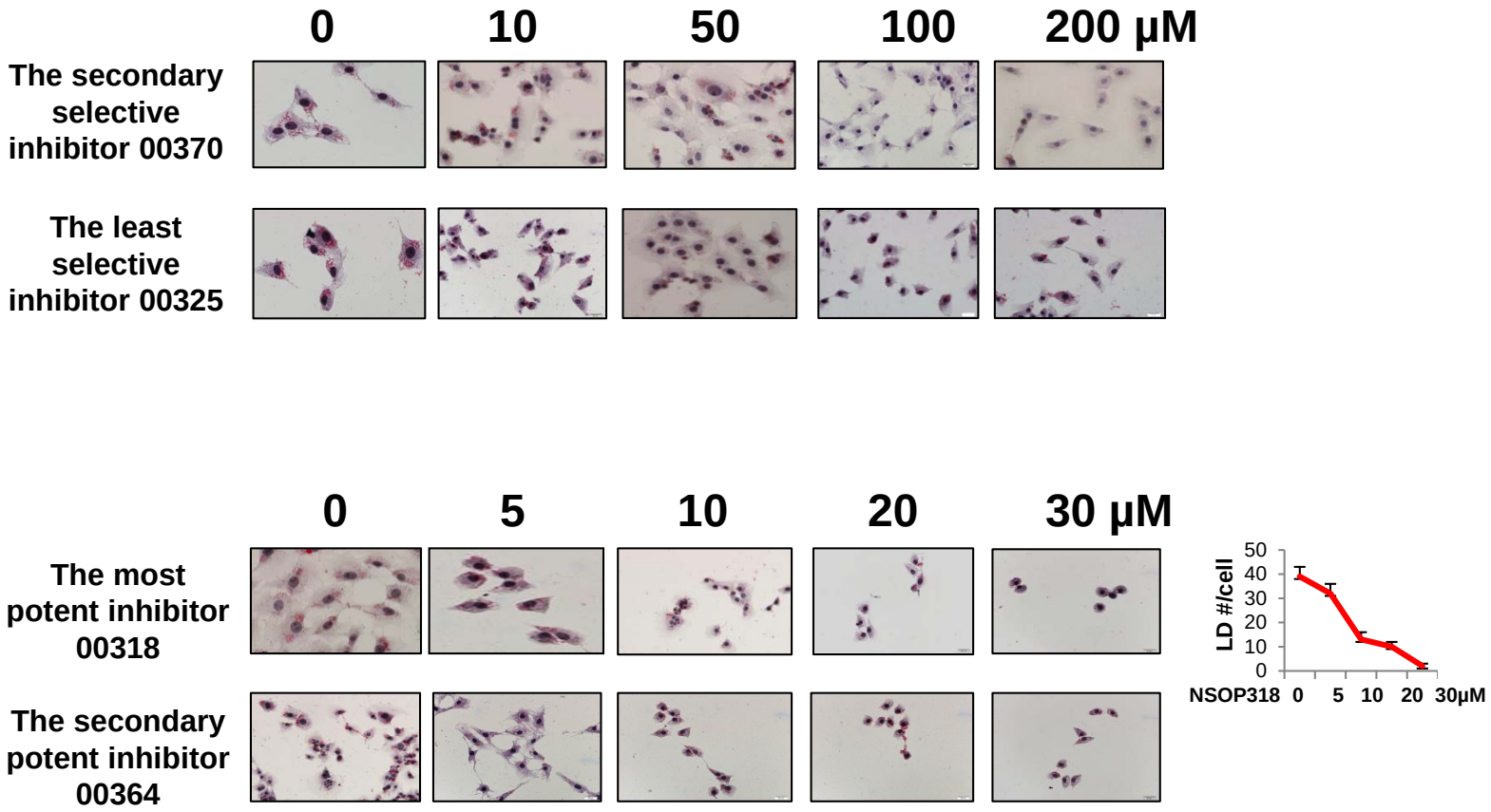
Chemical Formula: $C_{22}H_{30}N_2O_6S$
Molecular Weight: 450.548



NSOP00364

Chemical Formula: $C_{15}H_{18}BrNO_5S$
Molecular Weight: 404.276

<u>Supplemental Figure S1</u>. Molecular structures of small molecule L-Fabp inhibitors used in this report.



Supplementa Figure S2: Effects of L-Fabp inhibitors NSOP 00325 and NSOP 00364 on Plin5-indiced LD formation in HSCs

Supplemental Fig. S2

Supplemental Table S1. Impact of Plin5/L-Fabp on cellular retinol and retinyl esters in HSCs

	Retinol, nmol/10^6 cells	Retinyl linoleate, nmol/10^6 cells	Retinyl oleate, nmol/10^6 cells	Retinyl palmitate, nmol/10^6 cells	Retinyl stearate, nmol/10^6 cells	Total retinyl esters, nmol/10^6 cells
Ctr HSCs	0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ctr HSCs	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Ctr HSCs	0.003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-YFP	0.002	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-YFP	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-YFP	0.006	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-Plin5	0.004	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-Plin5	0.007	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-Plin5	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-Plin5 +Ad-L-Fabl	0.006	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HScs with LV-Plin5 + Ad-L-Fabp	0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
HSCs with LV-Plin5 + Ad-L-Fabp	0.002	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

Supplemental Table S1: Wild-type passaged HSCs were transducted with or without LV-Plin5-YFP, or LV-YFP, or LV-Plin5-YFP plus Ad-L-Fabp, followed by assays of cellular retinol and retinyl esters. Each treatment had Triplicates. The low limit of detection for retinyl esters in these samples is 0.0003 nmol (0.3 pmol)/10^6 cells.