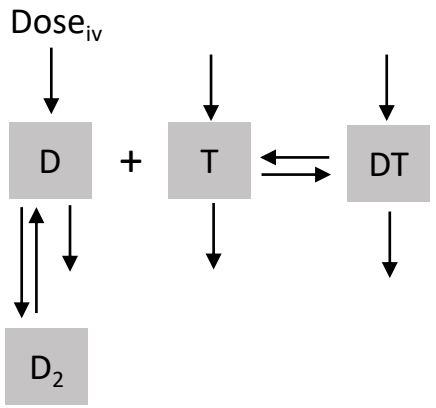
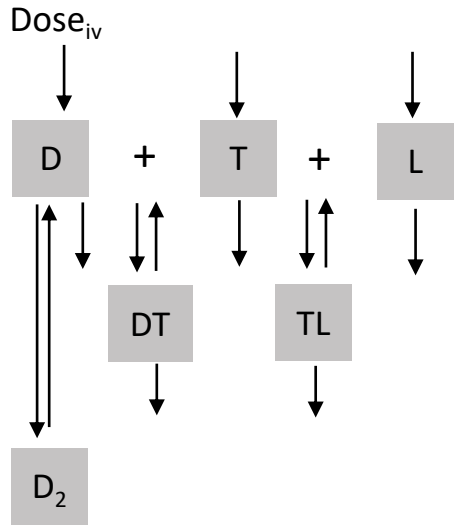
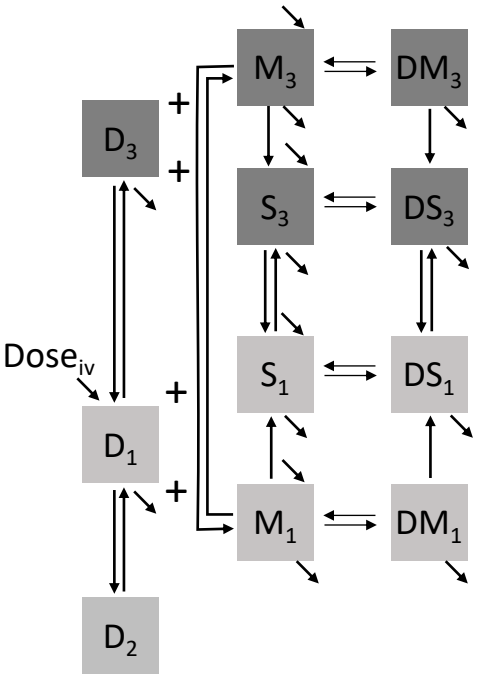
Steady State Inhibition Metric (SSIM) = $\dfrac{C_{ss}}{C_{ss} + IC_{50}}$

	In vitro	In vivo	In vivo	In vivo
Tissue	-	Circulation	Circulation	Tissue
Ligand	no	no	yes	no
IC_{50}	K_{ss}	$K_{ss} \cdot T_{fold}$	$K_{ss} \cdot T_{fold} \cdot L_{fold}$	$\dfrac{K_{ss} \cdot T_{fold}}{B}$
Model				

D = Drug
T = Target
L = Ligand
M = Membrane-bound target
S = Soluble target (shed)

1 = central compartment
2 = peripheral compartment
3 = tissue compartment

T_{fold} = fold-increase in total target after binding drug
L_{fold} = fold-increase in ligand after drug binds target
B = tissue biodistribution coefficient