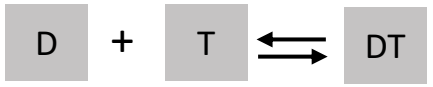
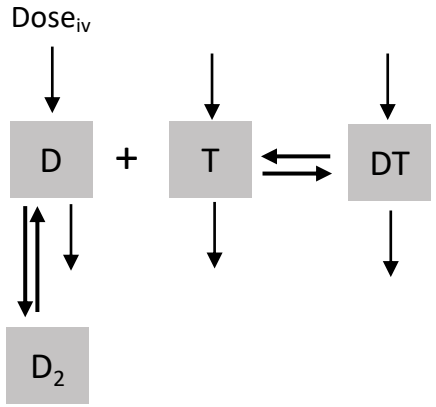
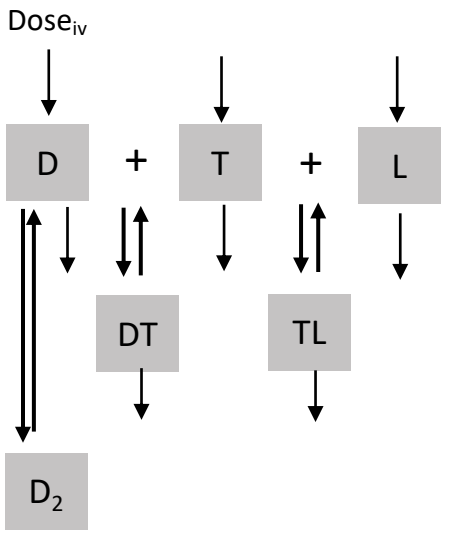
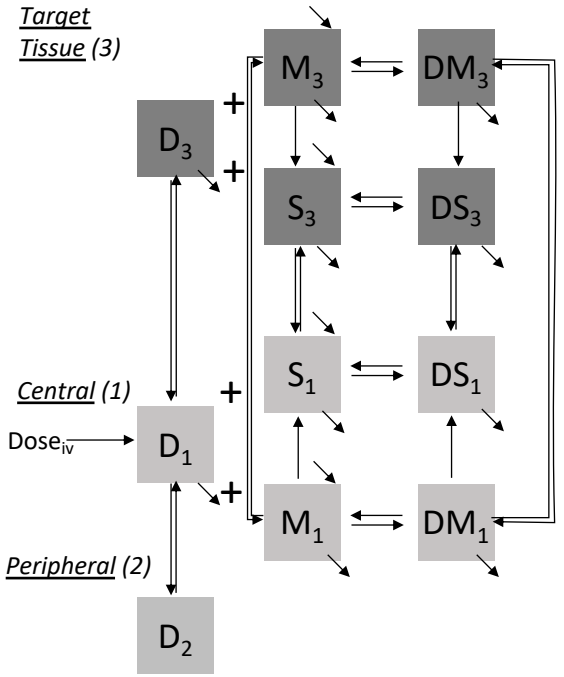
Steady State Inhibition Metric = $\frac{C}{C + IC_{50}}$

	In Vitro	In vivo,	In vivo	In vivo, in tissue
Tissue	-	Circulation	Circulation	Tissue
Ligand	-	-	yes	-
IC_{50}	K_{ss}	$K_{ss} \cdot T_{\text{fold}}$	$K_{ss} \cdot T_{\text{fold}} \cdot L_{\text{fold}}$	$\frac{K_{ss} \cdot T_{\text{fold}}}{B}$
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 = biodistribution coefficient