

Parameter	Description	Defaults	Core Mechanism	Mechanism 1	Mechanism 2	Mechanism 3
gshDepletionRange	GSH depletion threshold	<5.0, 0.0>	<3.0, 3.0>	<5.0, 0.0>	<3.0, 3.0>	<5.0, 0.0>
deathRange	MitoD damage for cell death trigger threshold	<6, 6>				
deathDelayMin	minimum time until cell death	540				
deathDelayMax	maximum time until cell death	6600				
APAP rxnProbStart	PV APAP metabolism probability	0.350				
APAP rxnProbFinish	CV APAP metabolism probability	0.950				
APAP => G	APAP glucuronidation fraction	<0.33, 0.05>				
APAP => S	APAP sulphation fraction	<0.33, 0.05>				
APAP => N	APAP to NAPQI fraction	<0.34, 0.9>				
N rxnProbStart	PV NAPQI reaction probability	0.500				
N rxnProbFinish	CV NAPQI reaction probability	0.500				
N => nMD	NAPQI to non-Mitochondrial damage fraction	<0.5, 0.5>				
N => MitoD	NAPQI to Mitochondrial damage fraction	<0.5, 0.5>				
nMD rxnProbStart	PV non-Mitochondrial damage reaction probability	0.200				
nMD rxnProbFinish	CV non-Mitochondrial damage reaction probability	0.800				
nMD => R	non-Mitochondrial damage to repair fraction	<1.0, 1.0>				
nMD rxnProb Gradient	non-Mitochondrial damage gradient shape	linear				
MitoD rxnProbStart	PV Mitochondrial damage reaction probability	0.900	0.6	0.6	0.900	0.900
MitoD rxnProbFinish	CV Mitochondrial damage reaction probability	0.000	0.6	0.6	0.000	0.000
MitoD rxnProb Gradient	Mitochondrial damage gradient shape	sigmoid	linear, constant	linear, constant	sigmoid	sigmoid
MitoD Amplify	Mitochondrial damage amplification	TRUE				
MitoD => R	Mitochondrial damage to repair fraction	<1.0, 1.0>				