

Toxicokinetics

Absorption, uptake, distribution, excretion

Inhalation

Blood/air partition

Urinary elimination

Bioaccumulation/
Lipophility

Metabolism

Biodegradation

Metabolic enzymes

Biotransformation

Activation or deactivation

Cytochrome P450

Epoxide hydrolase

Glutathione conjugation

Toxicokinetic modeling

PBPK models

Physiologically based
pharmacokinetic modeling

Toxicokinetics

Reactive oxygen species
(ROS)

Superoxide dismutase

Oxidative species

Oxidative metabolism