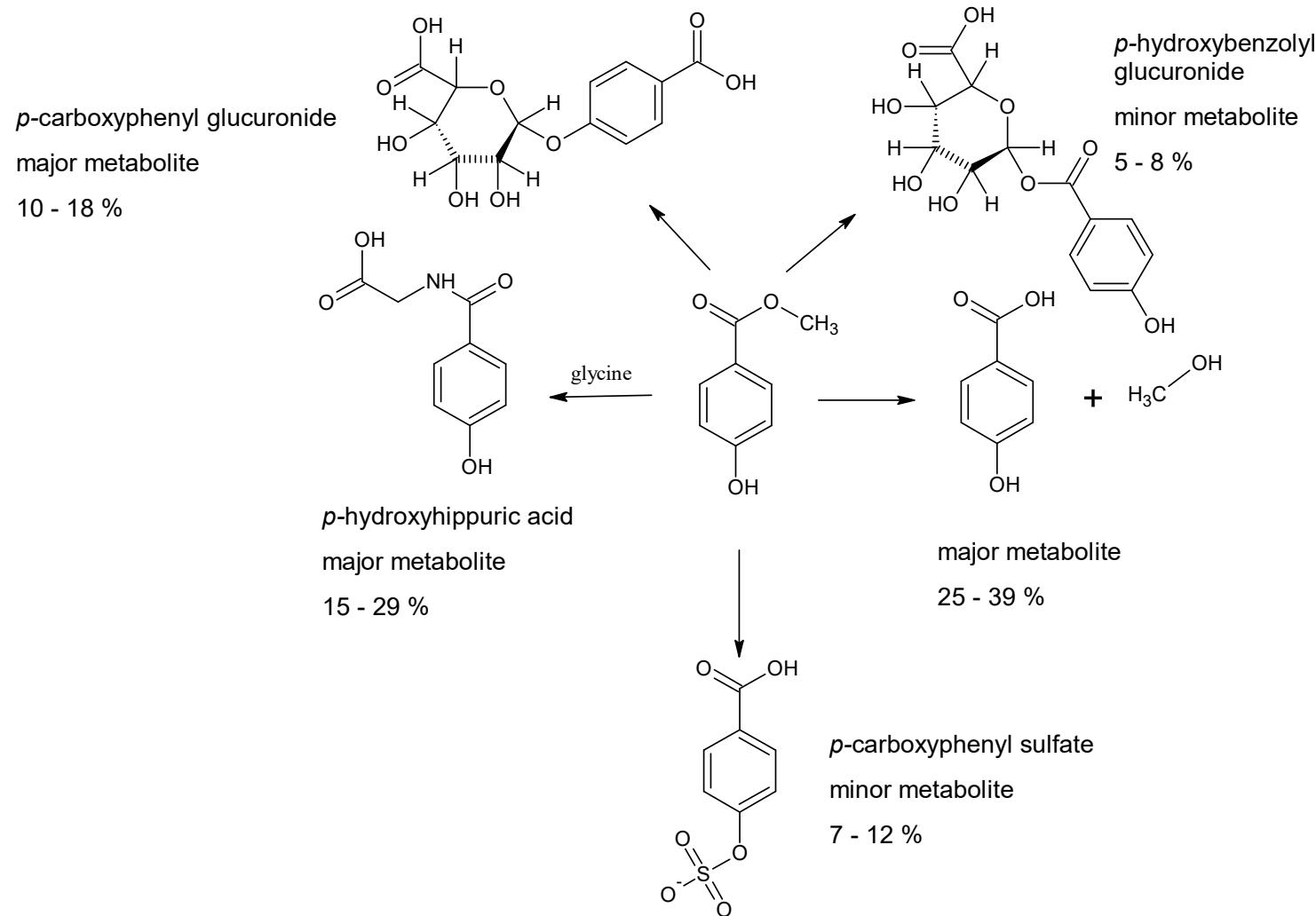


# Biotransformation of selected pharmaceutical excipients

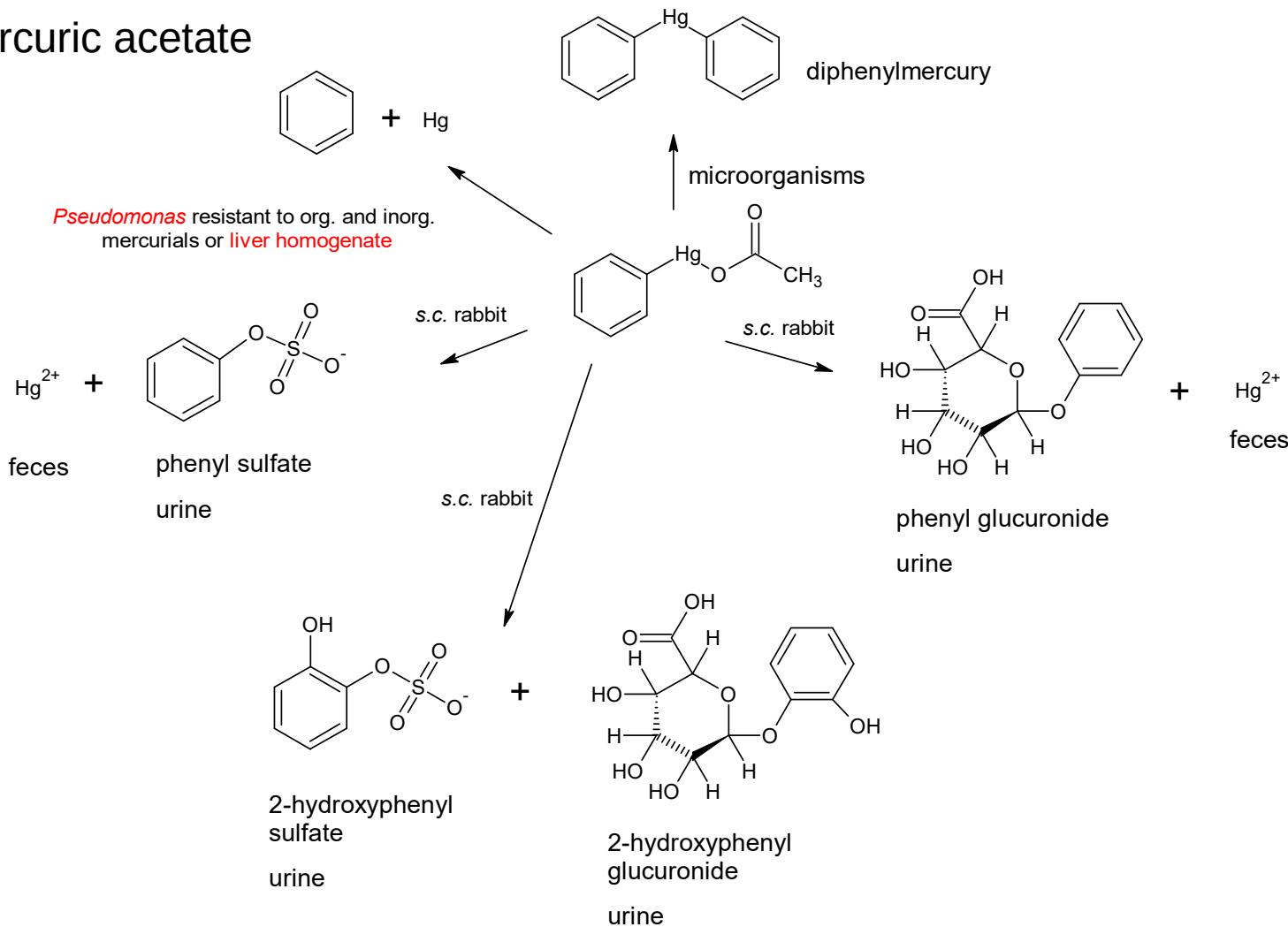
© Oldřich Farsa 2023

# Antimicrobial preservatives

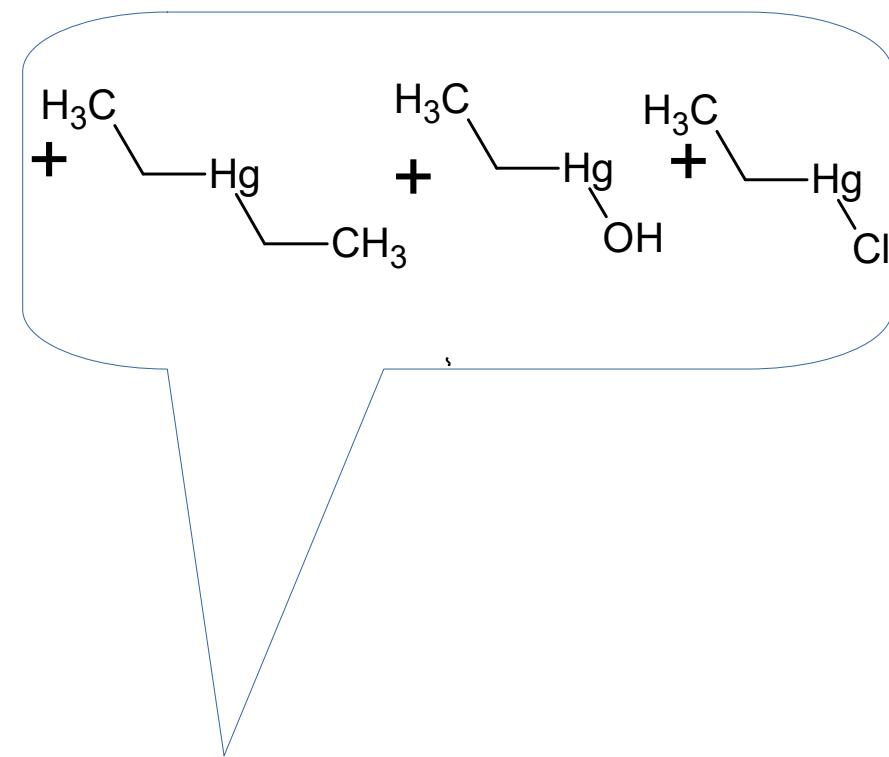
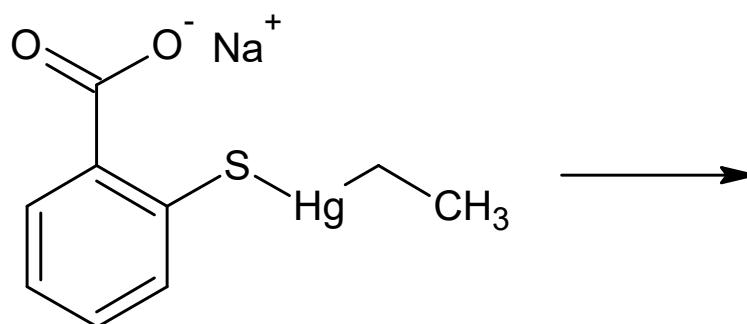
# Parabens: methylparaben



# Phenylmercuric acetate



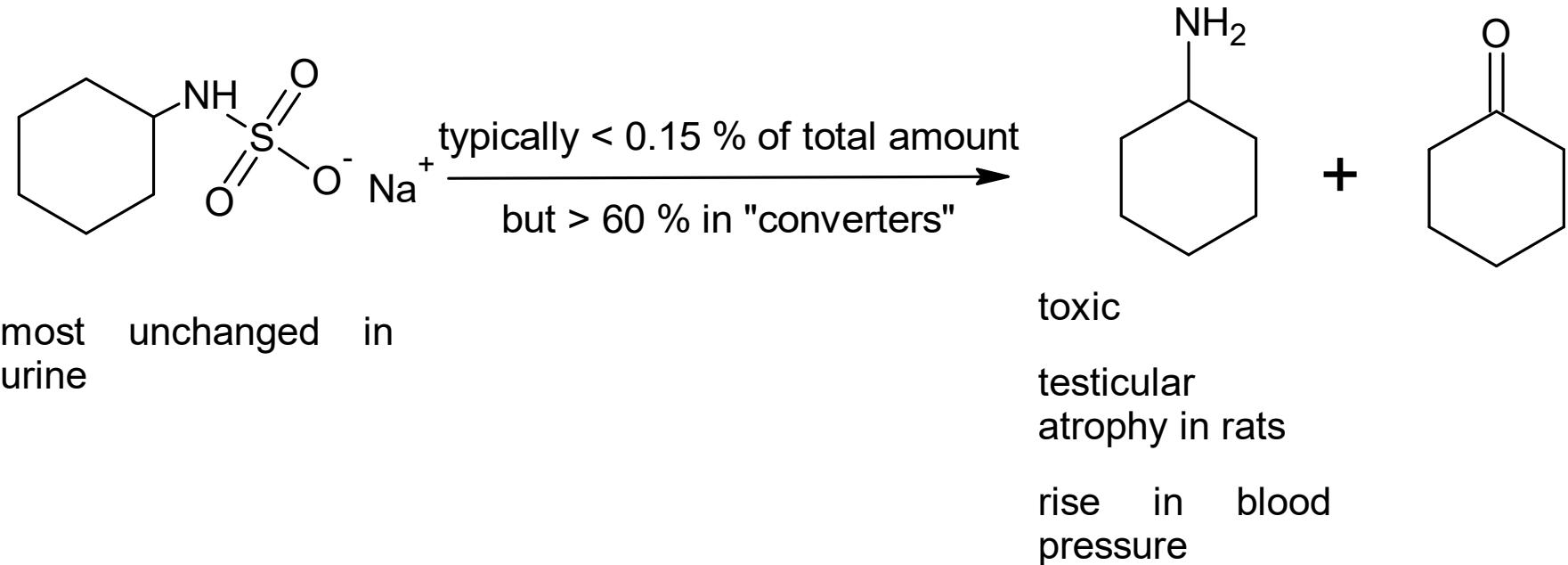
## Thiomersal



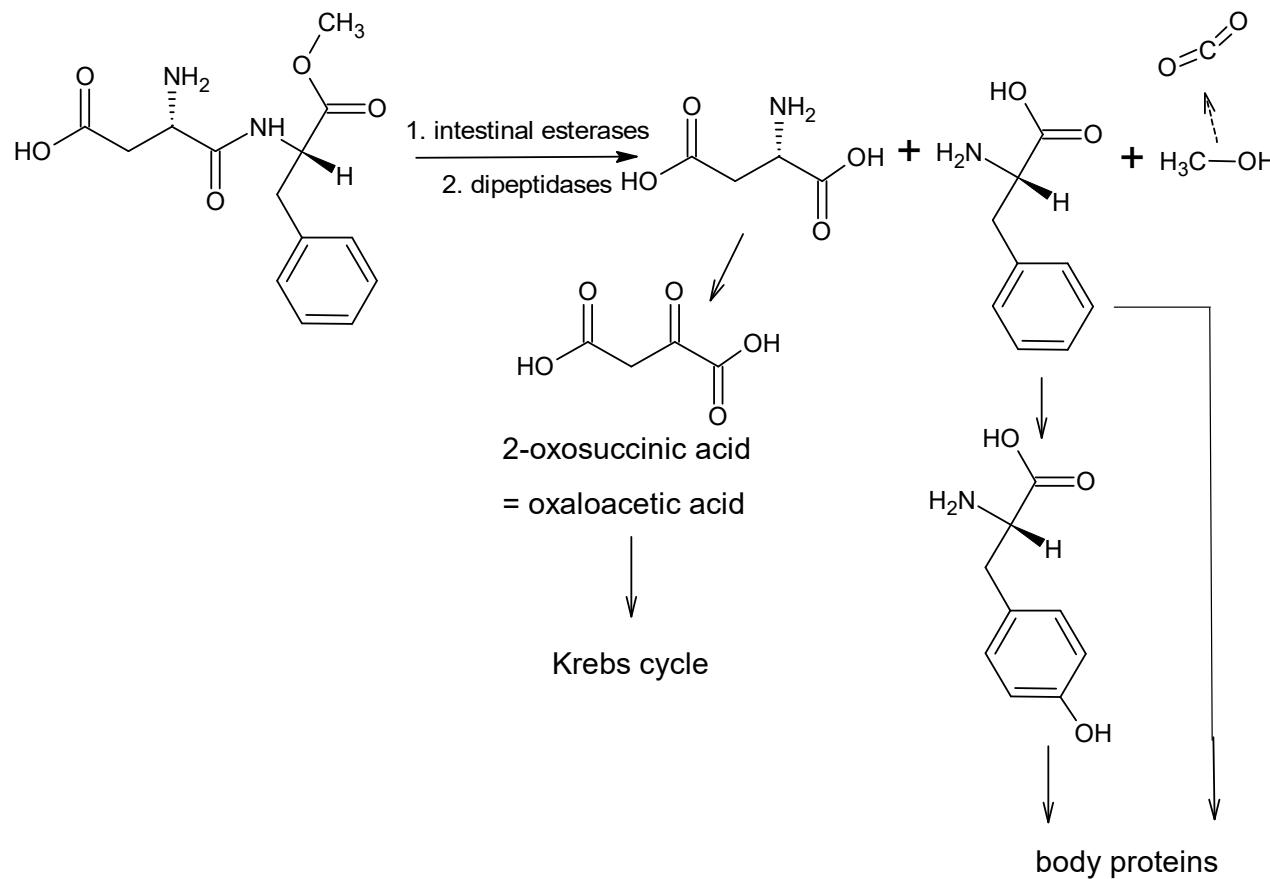
blood  $T_{1/2} = 7$  days

# Sweeteners

## Metabolism of sodium cyclamate

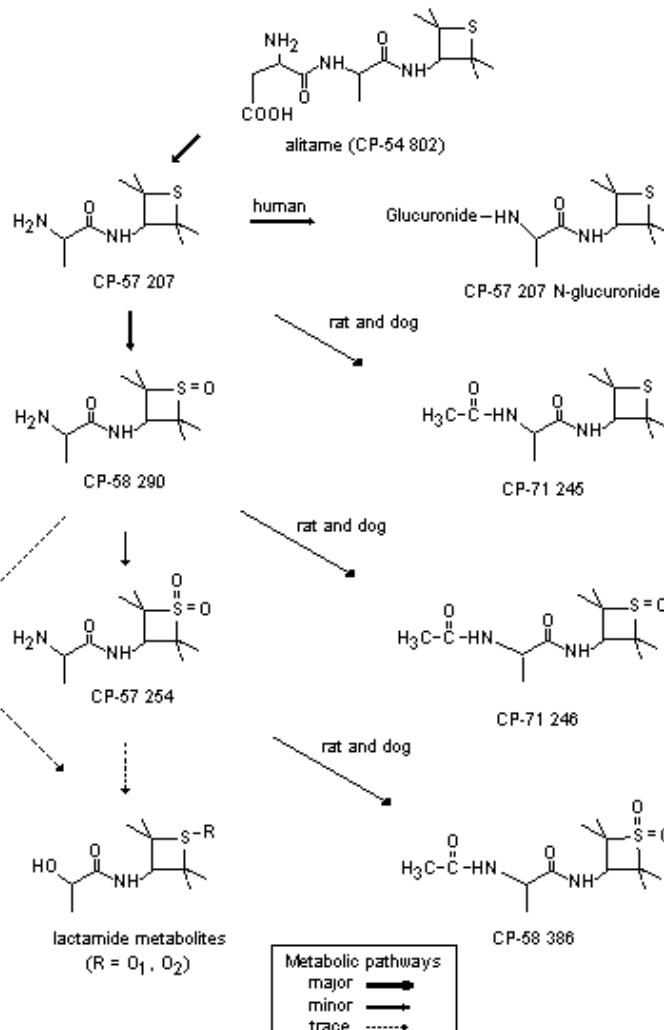


## Metabolism of aspartam

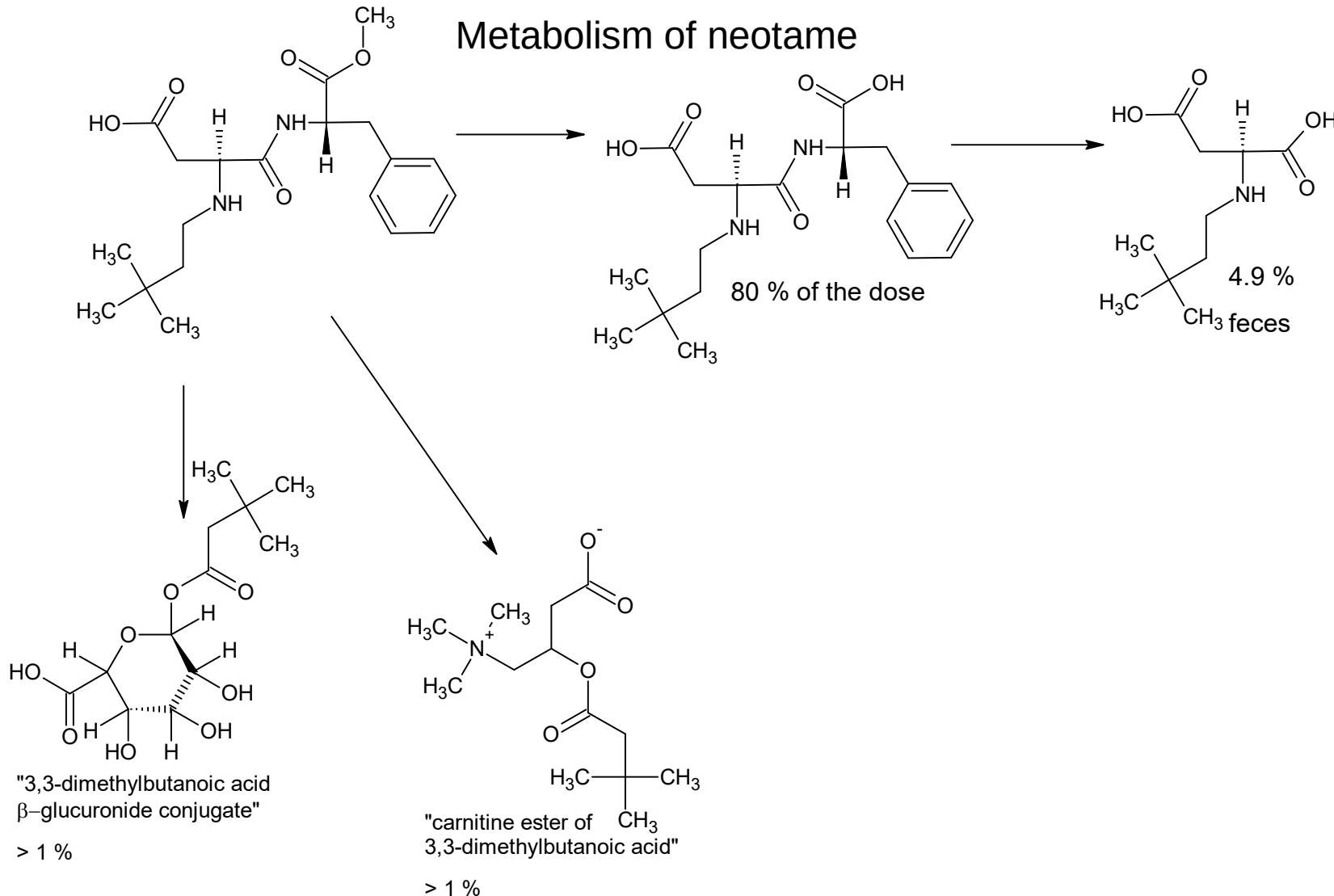


# Metabolism of alitame

Figure 2. Metabolic pathways of alitame in humans and in different animal species (Pfizer, 1986)

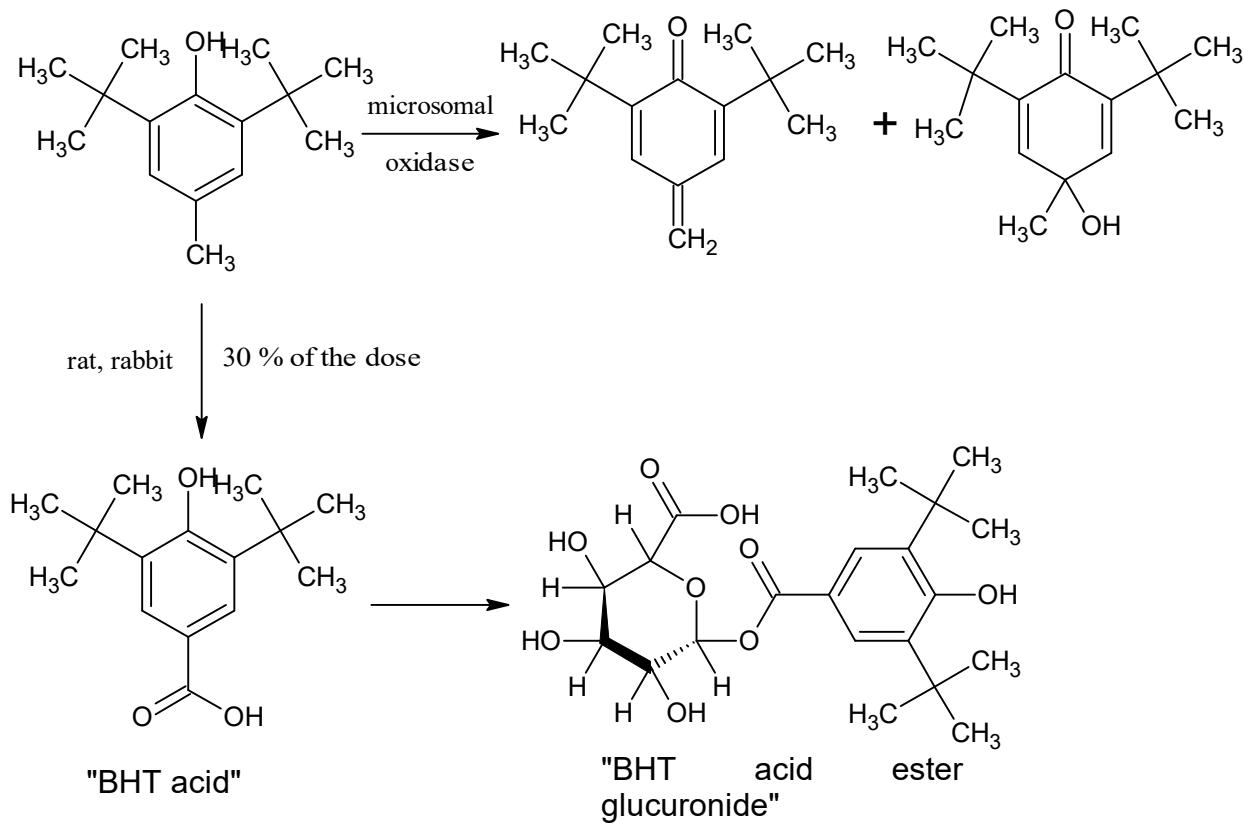


## Metabolism of neotame

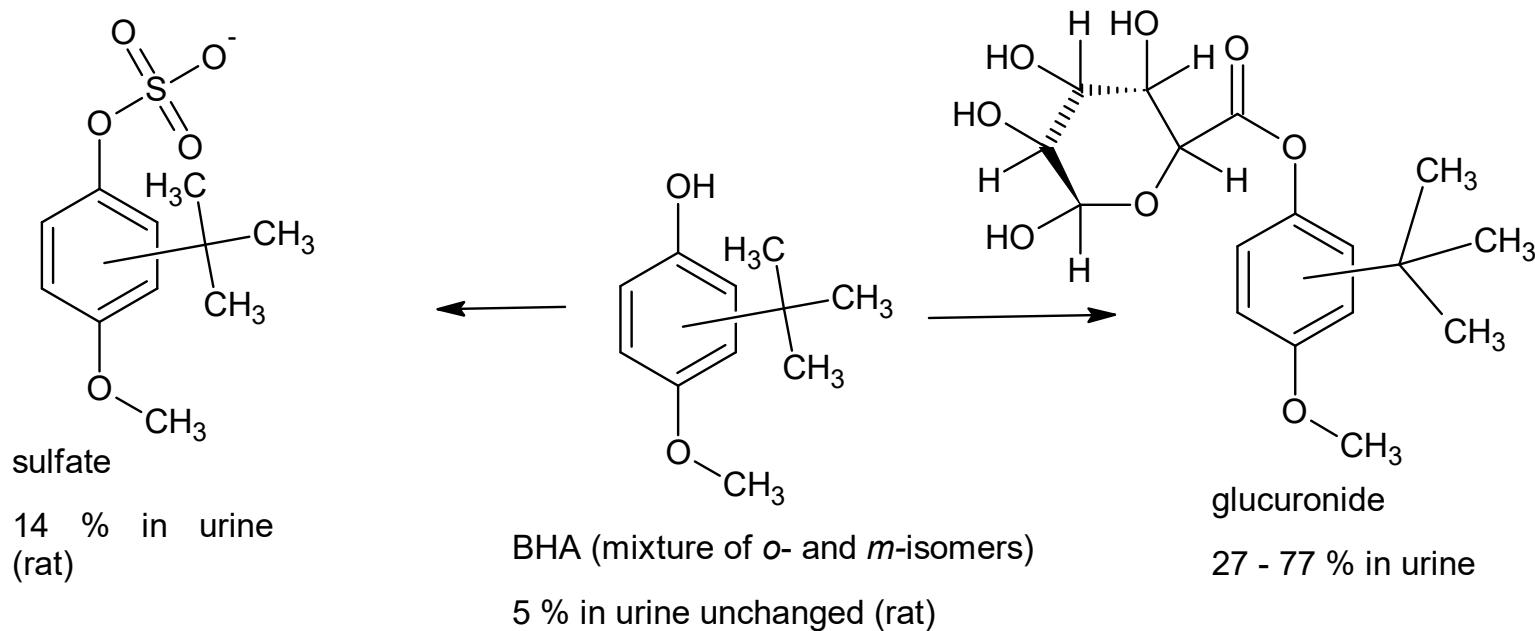


## Antioxidants

## Metabolism of butylhydroxytoluene (BHT)



## Metabolism of butylated hydroxyanisole (BHA)



# Metabolism of propyl gallate

