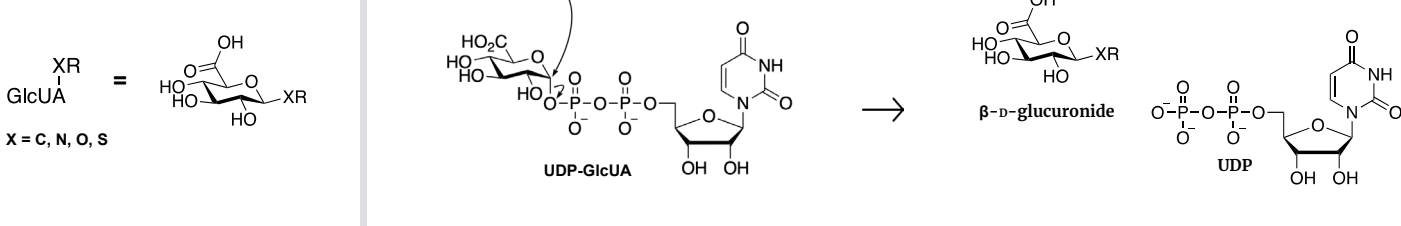
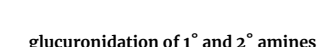
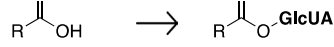
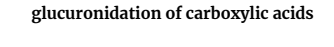


# Phase II Drug Metabolism

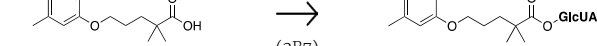
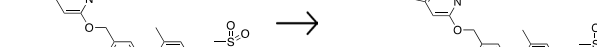
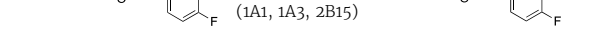
## Glucuronidation



### General Biotransformation



### Example of Biotransformation



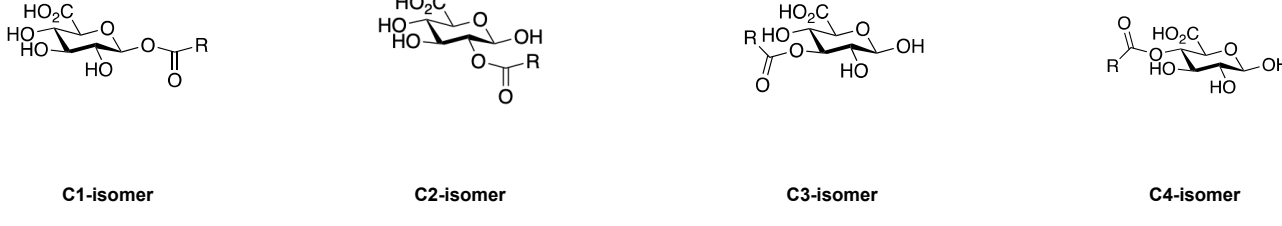
O-glucuronidation

N-glucuronidation

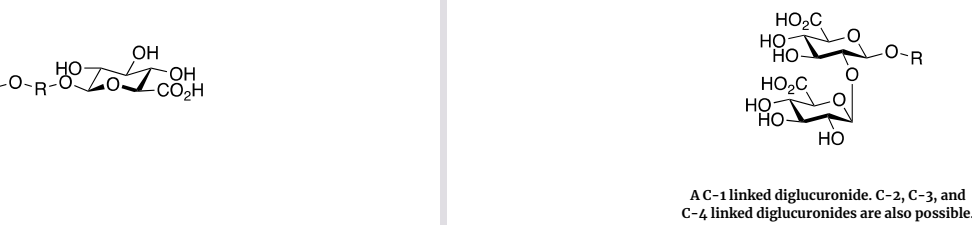
S-glucuronidation

C-glucuronidation

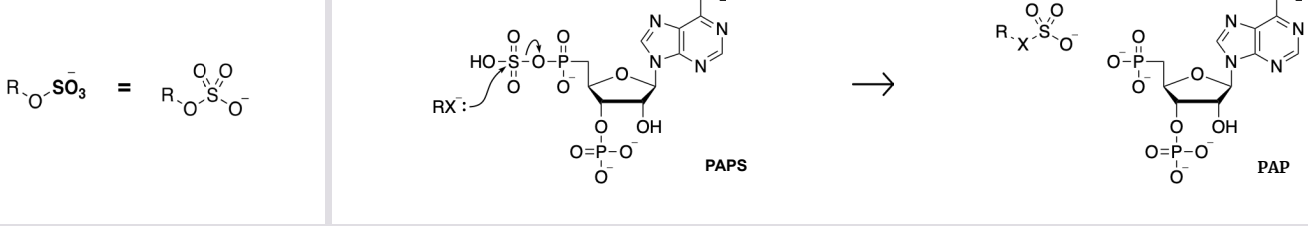
## Glucuronidation, Acyl Migration



## Diglucuronides



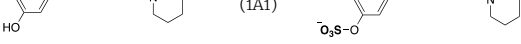
## Sulfonation



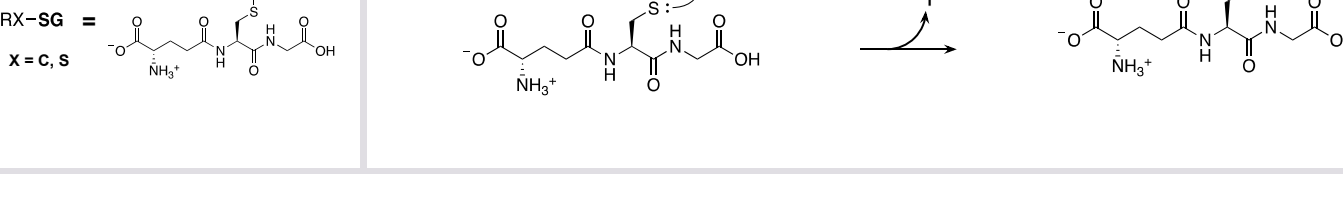
### General Biotransformation



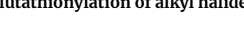
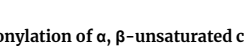
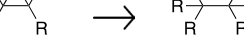
### Example of Biotransformation



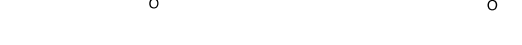
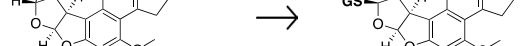
## Glutathione Conjugation



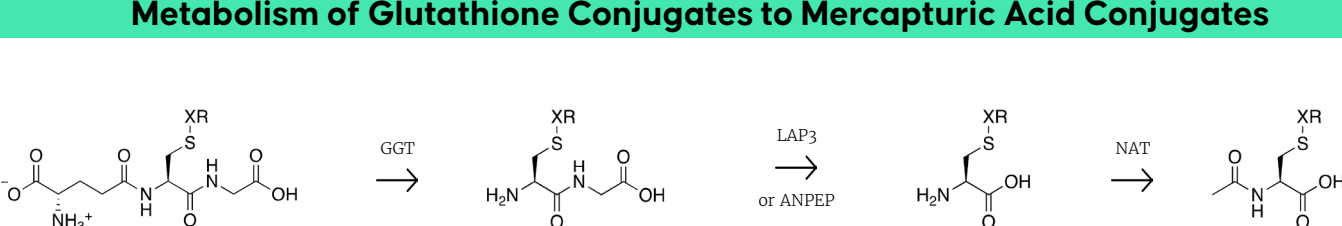
### General Biotransformation



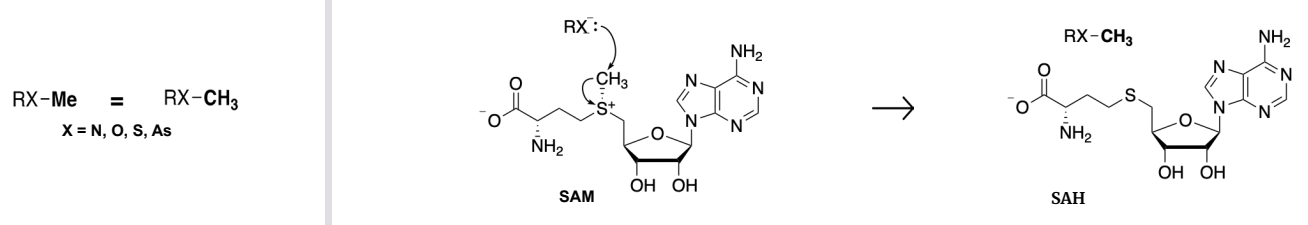
### Example of Biotransformation



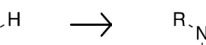
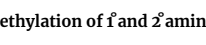
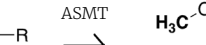
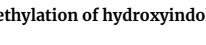
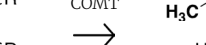
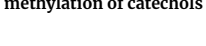
## Metabolism of Glutathione Conjugates to Mercapturic Acid Conjugates



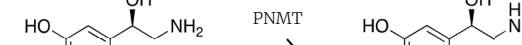
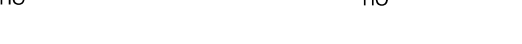
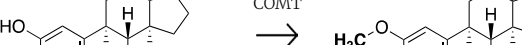
## Methylation



### General Biotransformation



### Example of Biotransformation



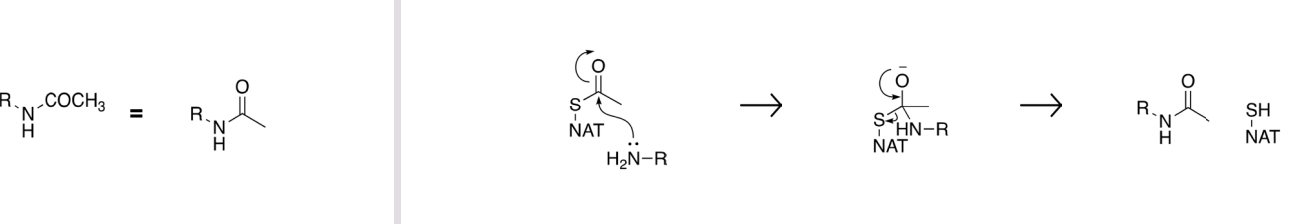
O-methylation

N-methylation

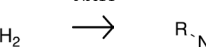
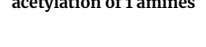
S-methylation

As-methylation

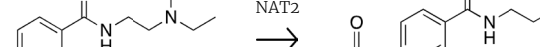
## Acetylation



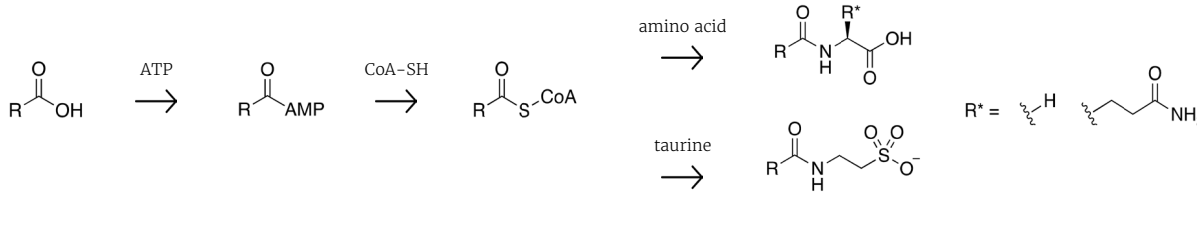
### General Biotransformation



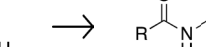
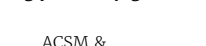
### Example of Biotransformation



## Amino Acid Conjugation



### General Biotransformation



### Example of Biotransformation

