

Glutathione conjugation



Drugs
Acetaminophen
Penicillin
Ethacrynic acid
Tetracycline

Xenobiotics

Styrene
Acrolein
Ethylene Oxide
Benzo Pyrenes
Methylparathion
Chlorobenzene
Anthracene
Tetrachlorvinphos
Toxic metals
Petroleum distillates
Naphthalene



Bacterial toxins
Aflatoxin
Lipid peroxides
Ethyl alcohol
Quercetin
N-acetylcysteine
Prostaglandins
Bacterial toxins
Bilirubin
Leukotriene A₄

Sulfation



Drugs
Acetaminophen
Methyl dopa
Minoxidil
Metaraminol
Phenylephrine

Xenobiotics

Aniline
Pentachlorophenol
Terpenes
Amines
Hydroxylamines
Phenols



DHEA
Quercetin
Bile acids
Safrole
Tyramine
Thyroxine
Estrogens
Testosterone
Cortisol
Catecholamines
Melatonin
3-hydroxy coumarin
25 hydroxy vitamin D
Ethyl alcohol
CCK
Cerebrosides

Peptide conjugation

Glycine

Taurine



Drugs
Salicylates
Nicotinic acid
Chlorpheniramine
Brompheniramine

Xenobiotics

Benzoic Acid
Phenylacetic Acid
Naphthylacetic Acid
Aliphatic Amines
Organic Acid



Bile acids
Cinnamic acid
PABA
Plant Acids

Propionic acid
Caprylic acid



Bile acids
Stearic acid
Palmitic acid
Myristic acid
Lauric acid
Decanoic acid
Butyric acid

Glucuronidation



Drugs
Salicylates
Morphine
Acetaminophen
Benzodiazepines
Meprobamate
Clofibrilic acid
Naproxen
Digoxin
Phenylbutazone
Valproic Acid
Steroids
Lorazepam
Ciramadol
Propranolol
Oxazepam

Xenobiotics

Carbamates
Phenols
Thiophenol
Aniline



Bilirubin
Estrogens
Melatonin
Bile Acids
Vitamin E
Vitamin A
Vitamin K
Vitamin D
Steroid hormone

Acetylation



Drugs

Clonazepam
Dapson
Mescaline
Isoniazid
Hydralazine
Procainamide
Benzidine
Sulfonamides
Promizole

Xenobiotics

2 Aminofluorine
Anilines



Serotonin
PABA
Histamine
Tryptamine
Caffeine
Choline
Tyramine
Coenzyme A

Methylation



Drugs
Thiouracil
Isoetharine
Rimiterol
Dobutamine
Butanephine
Eluophed
Morphine
Levaphanol
Nalorphine

Xenobiotics

Paraquat
Beta Carbolines
Isoquinolines
Mercury
Lead
Arsenic
Thallium
Tin
Pyridine



Dopamine
Epinephrine
Histamine
Norepinephrine
L-dopa
Apomorphine
Hydroxyestradiols

Xenobiotics and Drugs

Substances of Dietary or Endogenous Origin