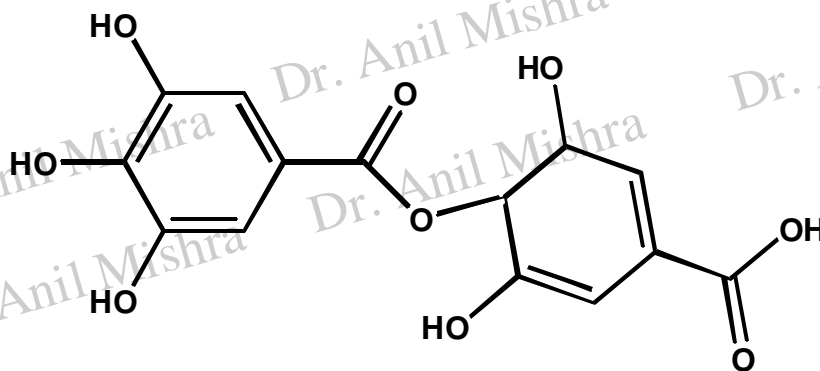


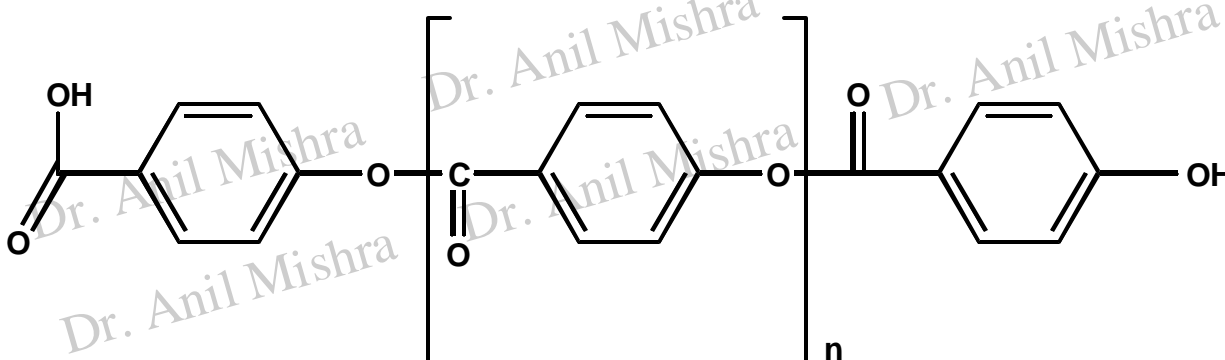
Deposides

- These are compounds formed by the interaction of the carboxylic group of one phenolic acid molecule and the hydroxyl of the other.
- May be considered to be intermolecular esters formed from two or more molecules of the same or different phenolic benzoic acids. Depending on the number of the component units, di-, tri-, etc. deposits may result.



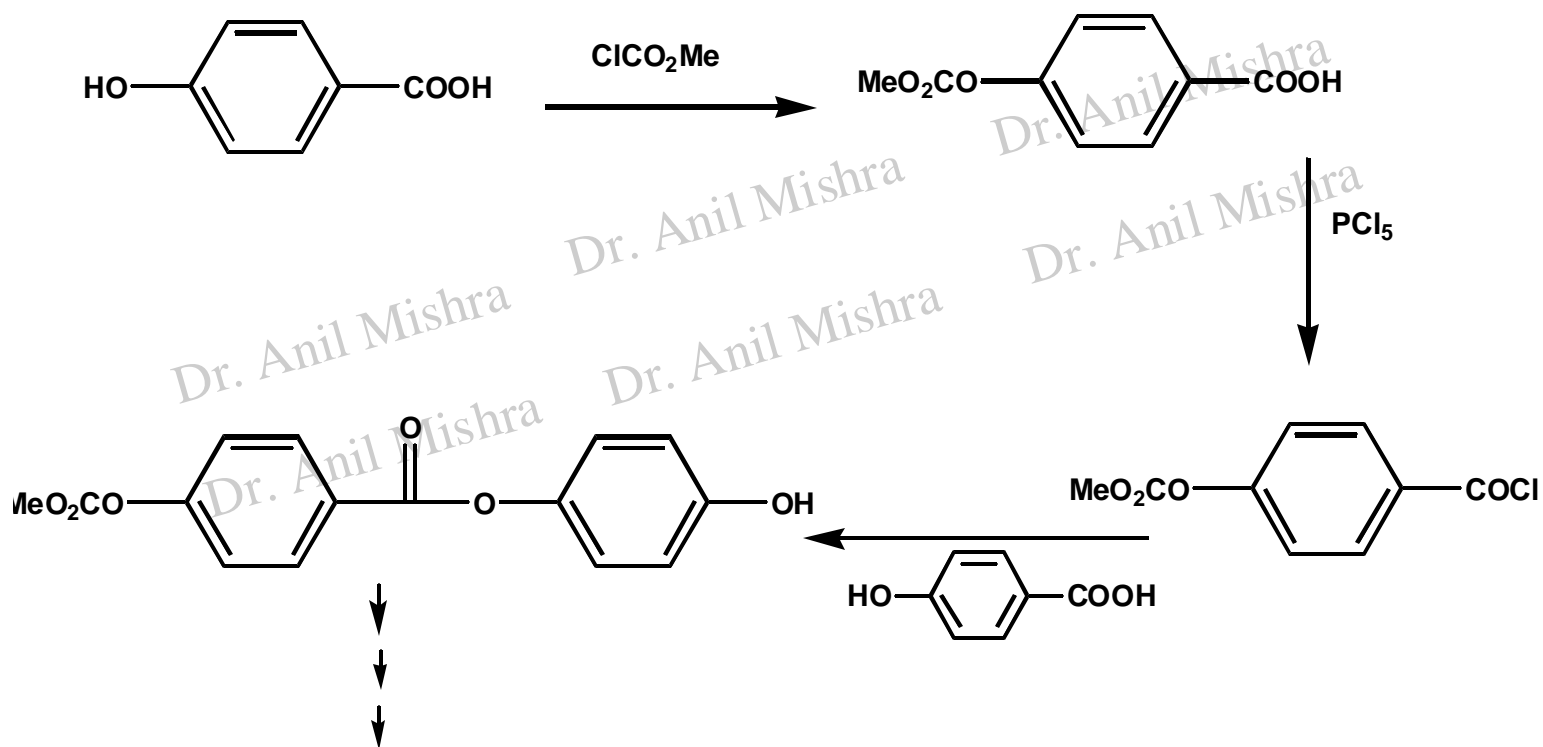
4-o-galloyl gallic acid

- Main source are lichens



- $n = 0$ didepside
- $n = 1$ tridepside

Synthesis



- By using different phenolic acids, a large variety of depsides can be synthesized
- When hydroxyl group is *meta* or *para* to the carboxylic group, the phenolic acid is readily carboxymethylated, but *ortho* groups are very resistant under the same conditions due to steric effect.