

POLYHYDROXY COMPOUNDS 1.

04-06-2021 Lecture-1 Deg-I (Hons.)

Paper-II , Group-B, Ch-3

* The compounds which contain more than one $-OH$ group are known as polyhydroxy compound or polyhydric alcohol.

They are further classified according to No. of $-OH$ group present in the molecule.

* The compound containing two $-OH$ group :-

Dihydric alcohols.

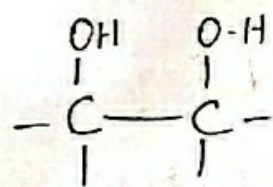
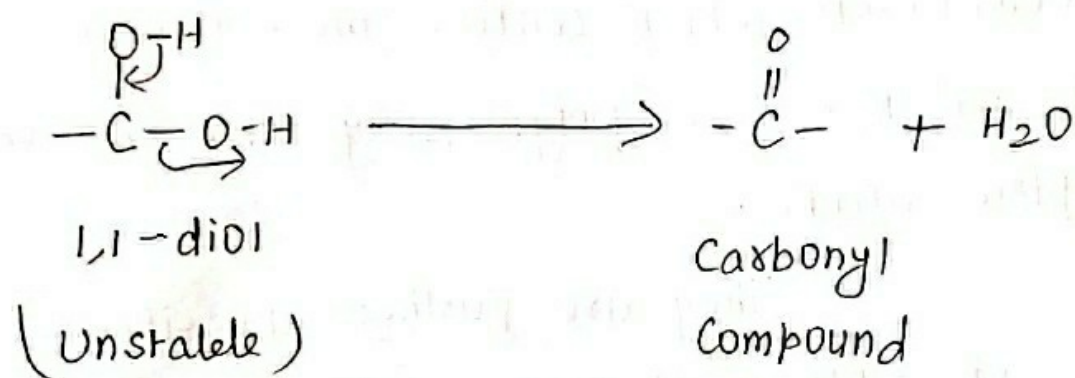
* The compound containing three $-OH$ group :-

Trihydric alcohol.

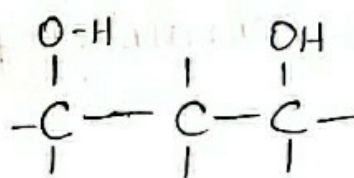
DIHYDRIC ALCOHOLS (DIOLS)

* The IUPAC name of dihydric alcohols is diols, while their older 'common name' is Glycols. (Greek, glycos = sweet), since they have a sweet taste.

The diols having the $-OH$ group bonded to the same carbon are unstable and undergo spontaneous decomposition to yield a carbonyl compound (aldehyde or ketone).



1,2-diol
(Stable)



1,3-diol
(Stable)

NOMENCLATURE

To be continued in next lecture - - -