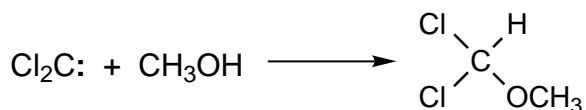


α -addition (alpha-addition)

A *chemical reaction* resulting in a single reaction product from two or three reacting chemical species, with formation of two new chemical *bonds* to the same atom in one of the reactant *molecular entities*. The synonymous term 1/1/addition is also used. For example:



(This particular example can also be viewed as an *insertion* reaction). In inorganic chemistry such α -addition reactions, generally to a metallic central atom, are known as 'oxidative additions'. α -Addition is the reverse of α -elimination or 1/1/elimination.

See also *addition, elimination*.

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