

ORGANIC REAGENTS

S.No.	Reagent	Function
1	$\text{PCl}_3, \text{PBr}_3, \text{PI}_3$	Alcohols into Alkyl halides
2	$\text{SOCl}_2, \text{PCl}_5$	Alcohols into Alkyl chlorides & Carboxylic acids into Acid Chlorides
3	$\text{HCl/ZnCl}_2, \text{HBr, HI}$	Alcohols into alkyl halides
4	Cl_2/Fe or FeCl_3	Cl group substituting on Benzene
5	$\text{NaNO}_2 / \text{HCl } 0-5^\circ\text{C}$	Diazotisation
6	$\text{CuCl, CuBr, CuCN, KI, H}_2\text{O, H}_3\text{PO}_2$	Diazonium Chloride into Chlor Benzene, Bromo Benzene, Benzo nitrile, Iodo Benzene , Phenol, Benzene respectively
7	HBF_4 or NaBF_4	Diazonium Chloride into Fluoro Benzene
8	AgF or Hg_2F_2 or SbF_3 or CoF_2	Alkyl halides into alkyl fluorides
9	Na / dry ether	Alkyl halides into alkanes
10	$\text{NaOH } 623/443/368\text{K}$	Chloro benzene to phenol
11	$\text{Br}_2 / \text{FeBr}_3$	Bromination of Benzene
12	$\text{Cl}_2 / \text{FeCl}_3$	Chlorination of Benzene
13	$\text{CH}_3\text{Cl} / \text{AlCl}_3$	alkylation of benzene and its derivatives
14	$\text{CH}_3\text{CO-Cl} / \text{AlCl}_3$	Acylation on benzene
15	$\text{H}_2\text{SO}_4 / \text{HNO}_3$	Nitration of benzene
16	$(\text{CH}_3\text{CO})_2\text{O} / \text{AlCl}_3$	O - Acylation of Phenol
17	H_2SO_4	Sulphonation on Benzene
18	$\text{H}_2\text{O/ H}_2\text{SO}_4$	alkenes into alcohols
	Aq KOH	Alkyl halide into alcohol
19	$\text{BH}_3 / \text{H}_2\text{O}_2 / \text{OH}^-$	Alkenes into alcohols (Anti Markownikoff product)
20	$\text{NaBH}_4/ \text{LiAlH}_4(\text{LAH})$	Aldehydes, ketones, acids into alcohols, Nitriles & Cyanides , Isocyanides into amines
21	H_2/ Ni or H_2/Pd	reduction of aldehydes, ketones and cyanides
22	$\text{RMgX/H}_3\text{O}^+$	Aldehydes, ketones into alcohols
23	O_2/H^+	Cumene to phenol
24	Na	Alcohol or phenol into Sodium alkoxide/Phenoxide
25	$(\text{CH}_3\text{CO})_2\text{O/ CH}_3\text{CO-Cl}$	O acylation on phenol or N acylation on Aniline or amine
26	$\text{Conc. H}_2\text{SO}_4/443\text{K}$	Conversion of primary alcohols into Alkenes
27	$\text{Conc. H}_2\text{SO}_4/410\text{K}$	Conversion of alcohols into Ethers
28	$85\% \text{ H}_3\text{PO}_4/ 440\text{K}$	Secondary alcohol into alkene
29	$20\% \text{ H}_3\text{PO}_4/358\text{K}$	Tertiary alcohol into alkene
	Alcoholic KOH	Alkyl halide into alkene

Organic Chemistry Reagents List

John Andraos



Organic Chemistry Reagents List:

The Enigmatic Realm of **Organic Chemistry Reagents List**: Unleashing the Language is Inner Magic

In a fast-paced digital era where connections and knowledge intertwine, the enigmatic realm of language reveals its inherent magic. Its capacity to stir emotions, ignite contemplation, and catalyze profound transformations is nothing short of extraordinary. Within the captivating pages of **Organic Chemistry Reagents List** a literary masterpiece penned with a renowned author, readers attempt a transformative journey, unlocking the secrets and untapped potential embedded within each word. In this evaluation, we shall explore the book's core themes, assess its distinct writing style, and delve into its lasting impact on the hearts and minds of those that partake in its reading experience.

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web 5 3 first wash the used glassware properly with raw water 5 4 then scrub the glassware with 0 1 detergent solution 1 ml teepol in 1000 ml purified water 5 5 rinse the glassware properly with raw water 5 6 again rinse 3 to 4 times with purified water 5 7 drain the water from glassware 5 8 keep in drier use dried glassware for analysis

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web the water should be hot for glassware that is exceptionally dirty a cleaning powder with a mild abrasive action will give more satisfactory results the abrasive should not scratch the glass during the washing all parts of the glassware should be thoroughly scrubbed with a

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