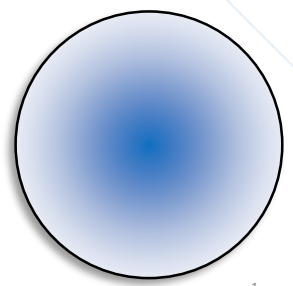


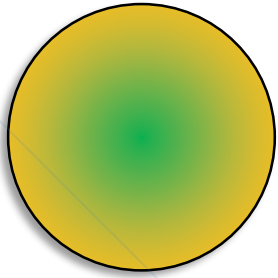
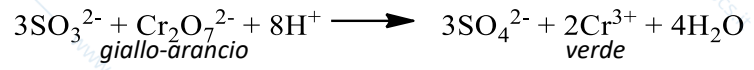
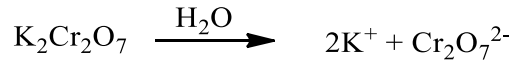
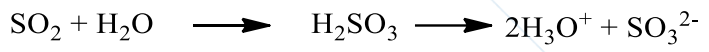
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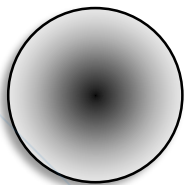
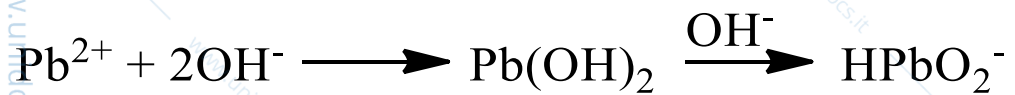
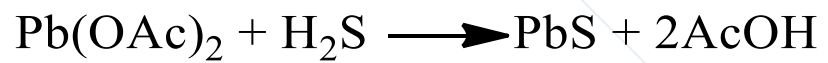


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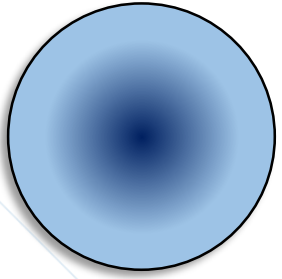
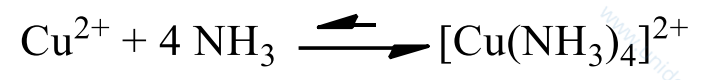
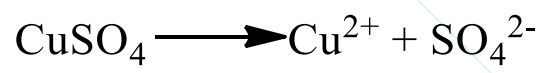
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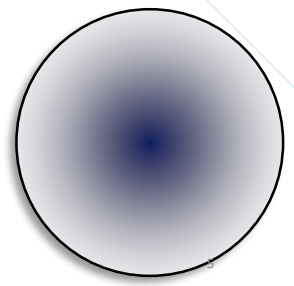
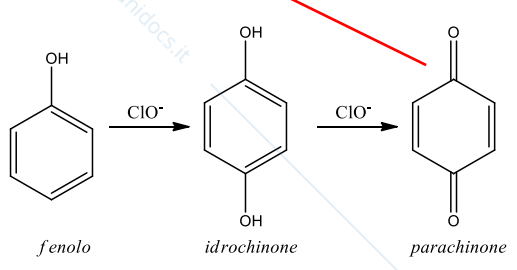
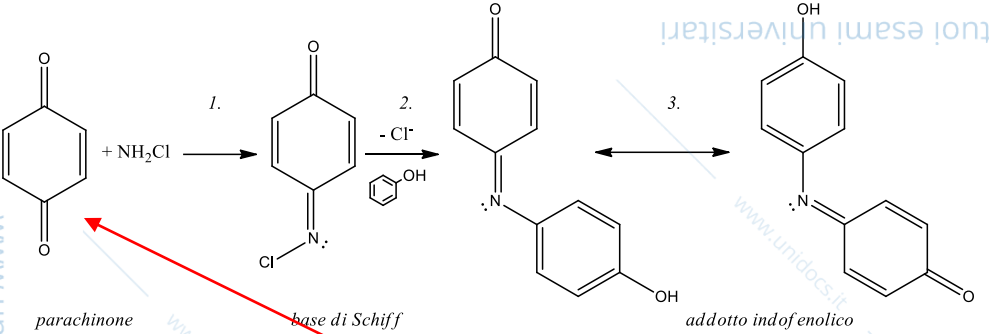
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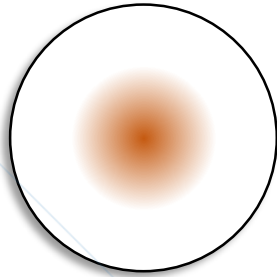
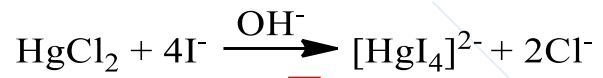


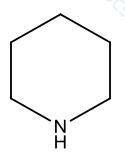
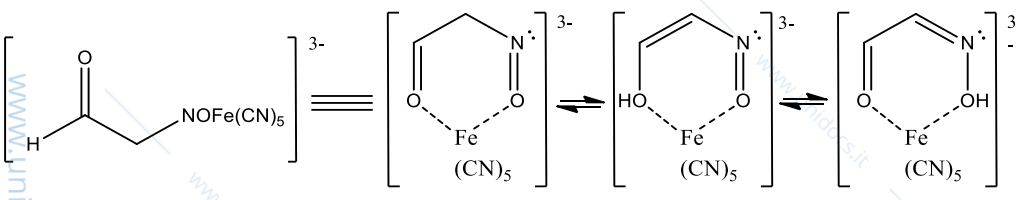
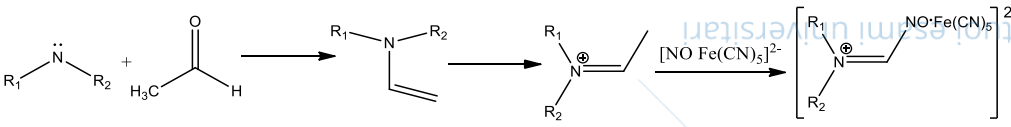
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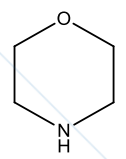


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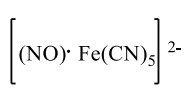




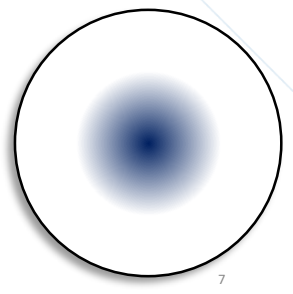
piperidina



morfolina



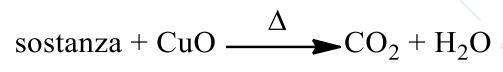
ione nitroprussiato

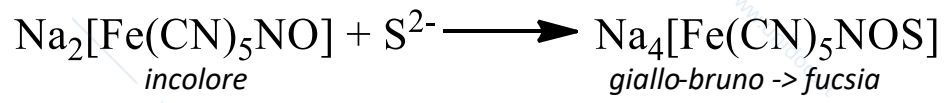


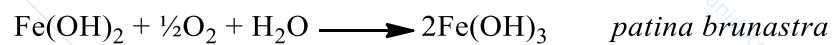
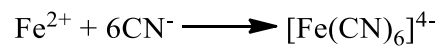
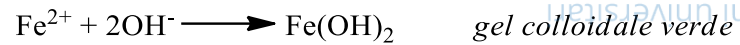
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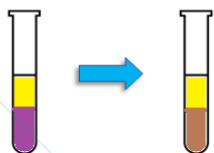
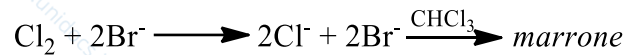
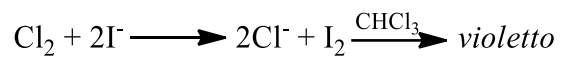
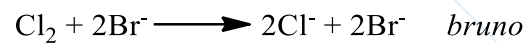
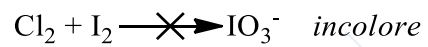
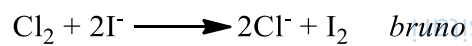






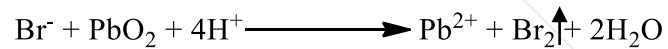
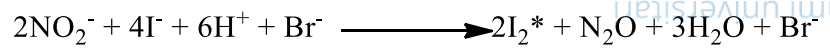
*ferrocianuro ferrico
(blu di prussia)*





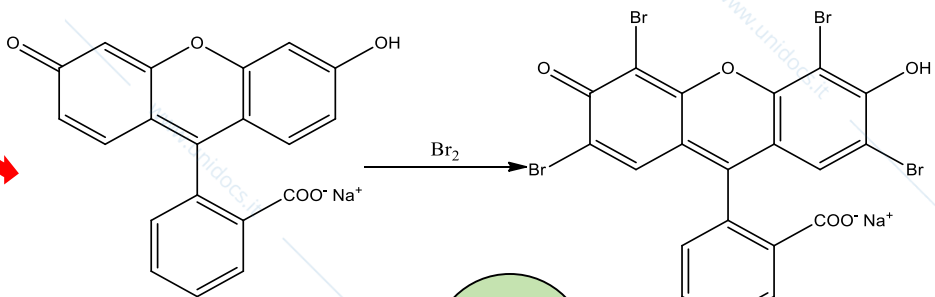
Presenza di solo iodio

Presenza di bromo, (non è escluso anche lo iodio)



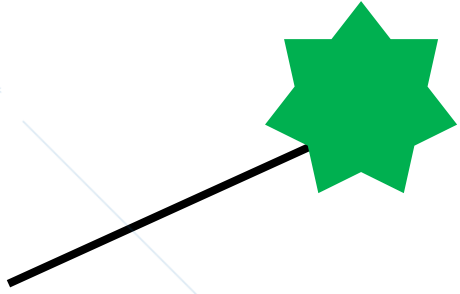
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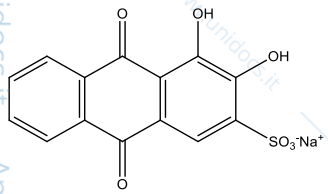
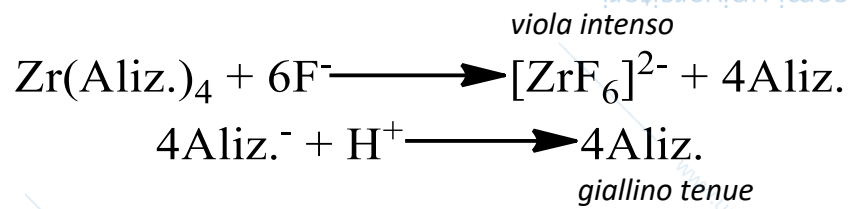
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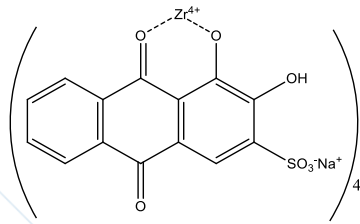
fluoresceina

eosina rossa

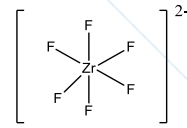




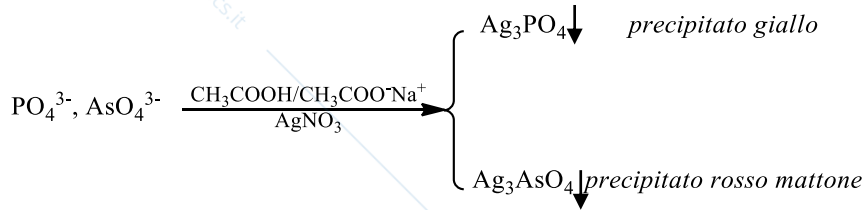
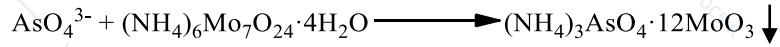
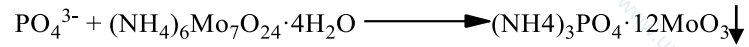
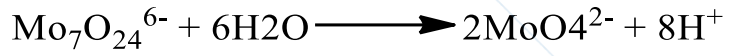
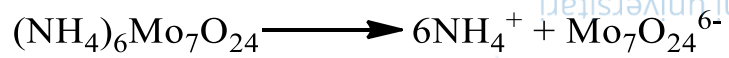
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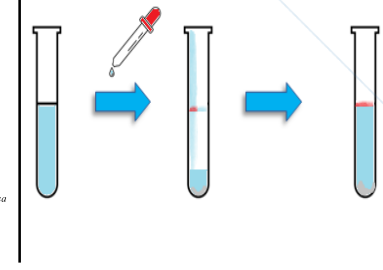
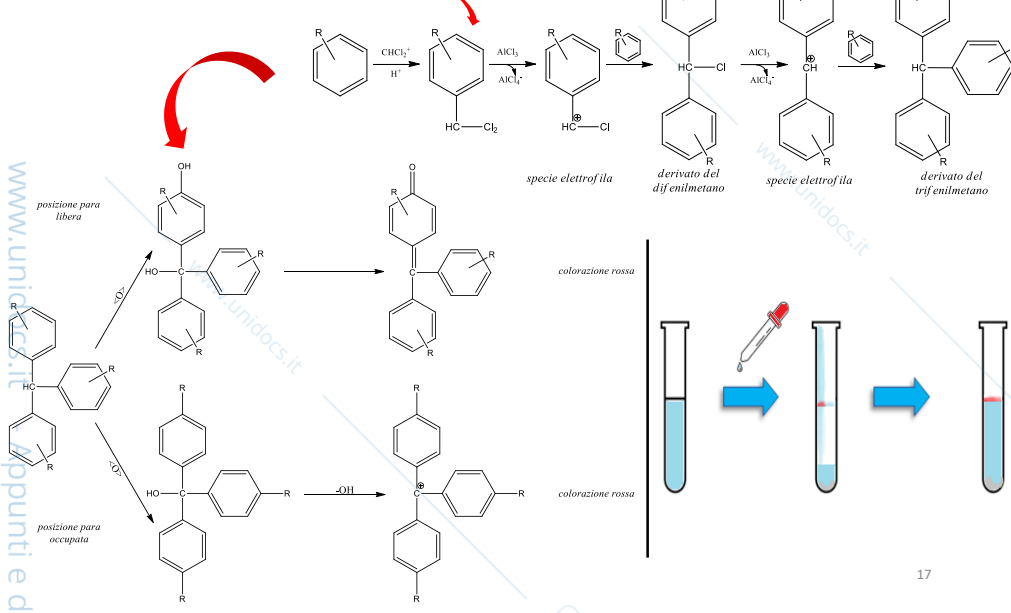
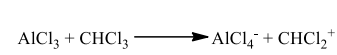
complesso $\text{Zr}(\text{Aliz.})_4$



complesso $[\text{ZrF}_6]^{2-}$

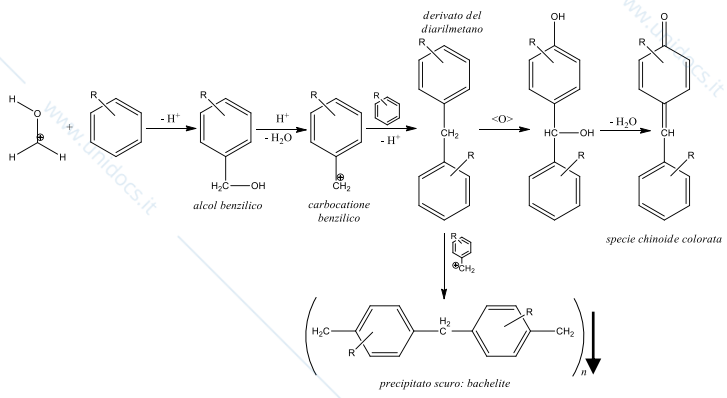
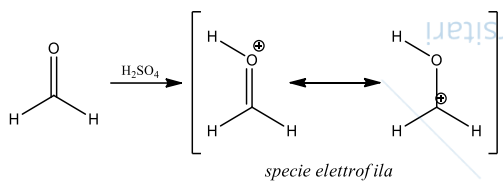


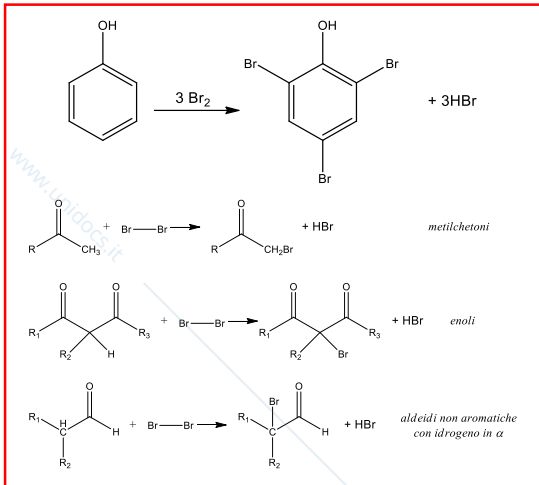
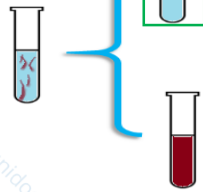
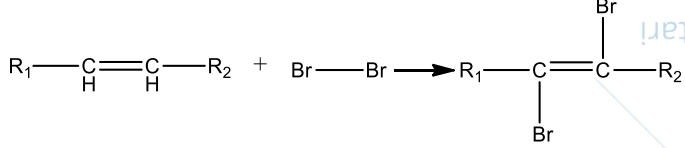
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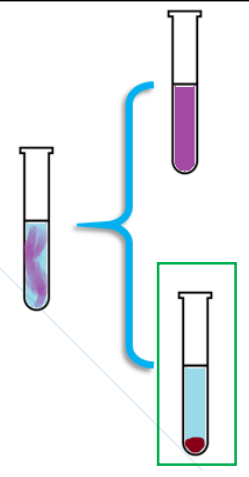
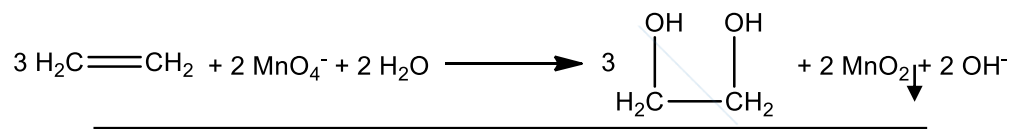
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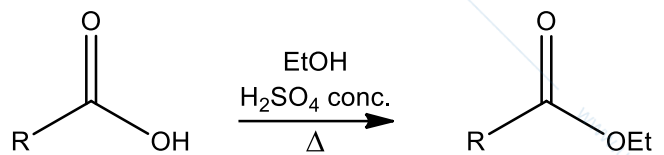
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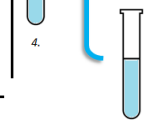
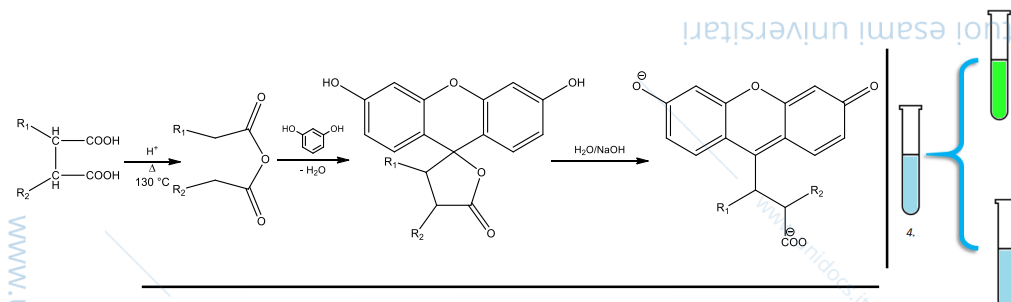


**FALSI
POSITIVI**



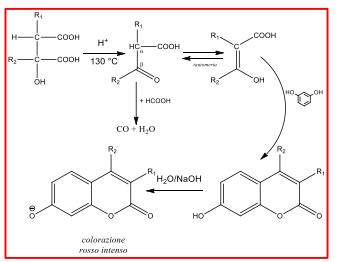
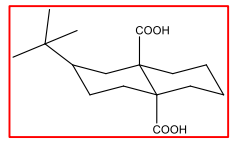
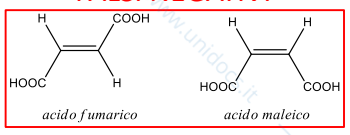


- *Aspetto oleoso;*
- *Insolubilità in acqua;*
- *Odore di sorbe o di fiori*

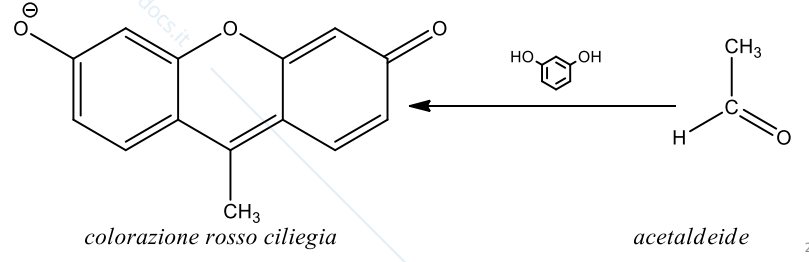
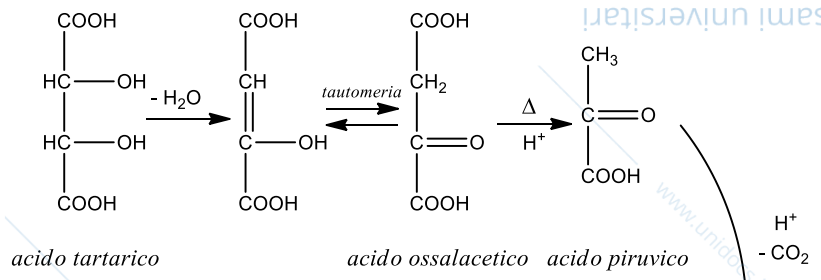


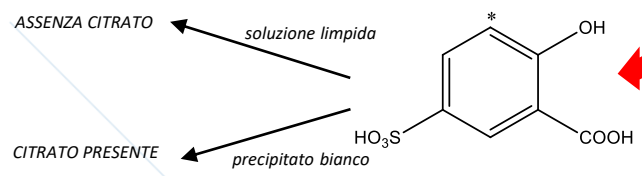
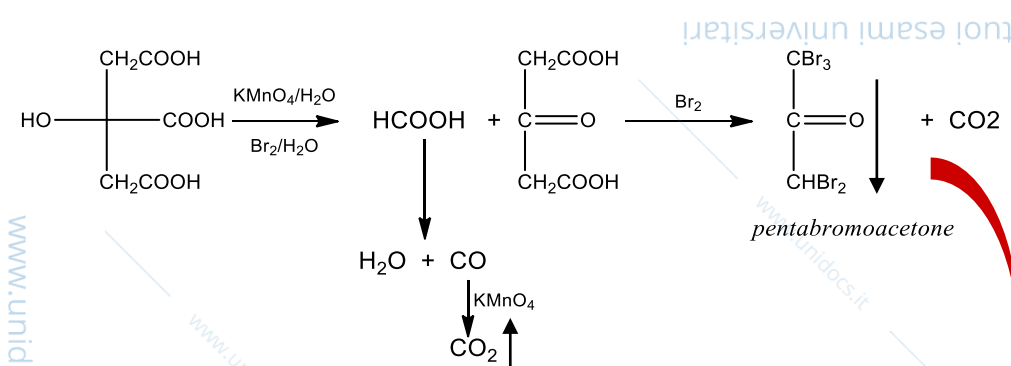
4.

FALSI NEGATIVI



FALSI POSITIVI



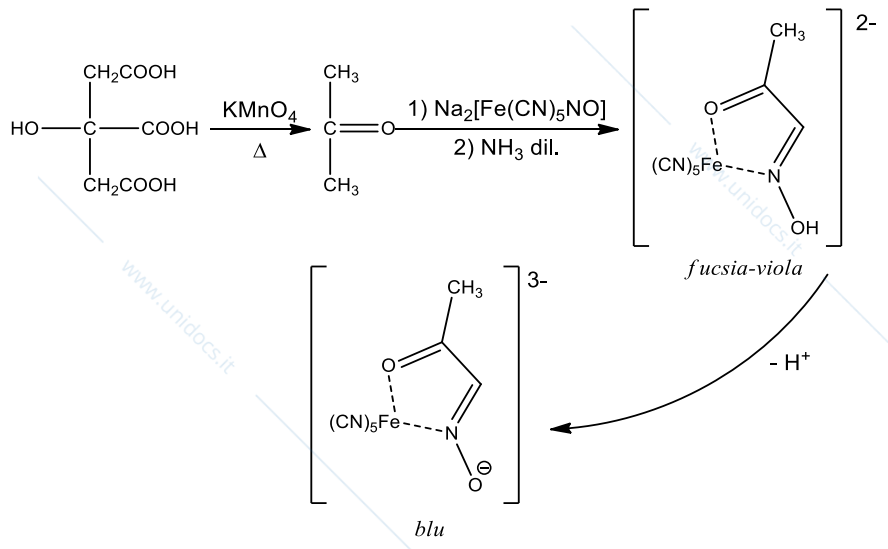


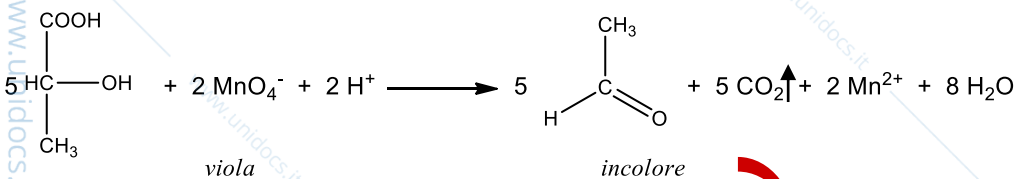
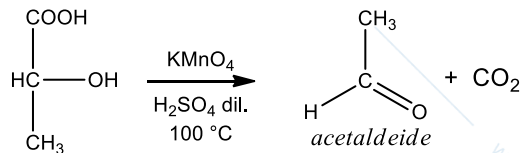
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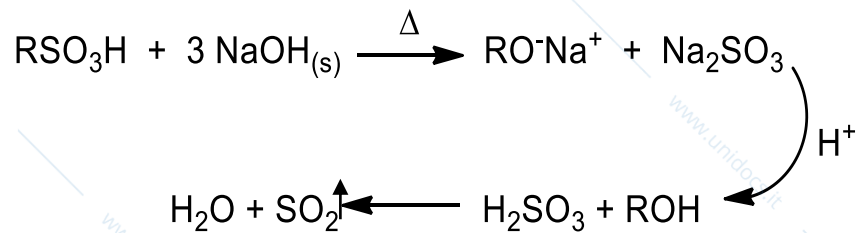
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**IDENTIFICAZIONE ACETALDEIDE PER
CARATTERISTICHE ORGANOLETTICHE O
SAGGIO DI SIMON INVERTITO**



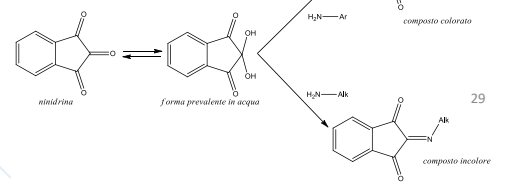
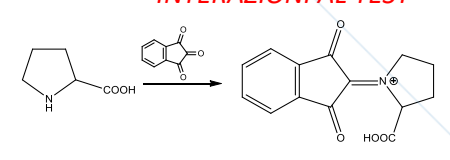
Colorazione rossa con FeCl_3

ACIDO
SOLFONICO
AROMATICO

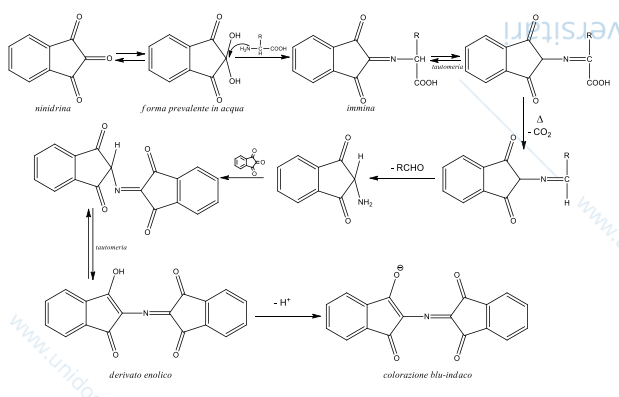
Identificazione anidride solforosa

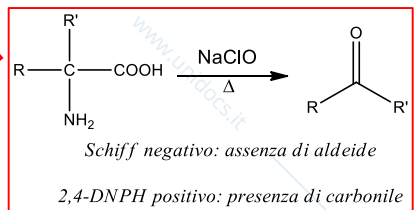
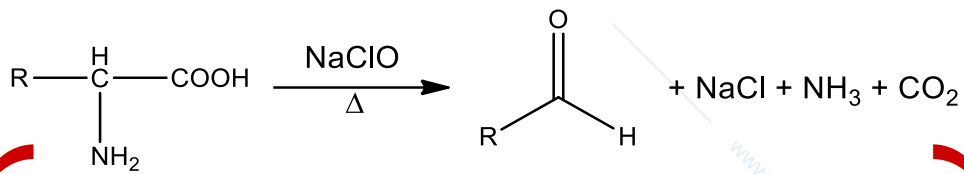
CARTINA AL
REATTIVO DI
JONES

INTERAZIONI AL TEST

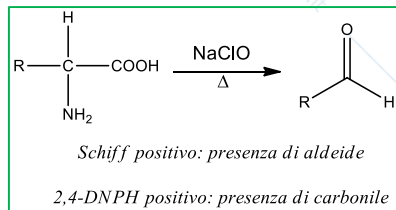


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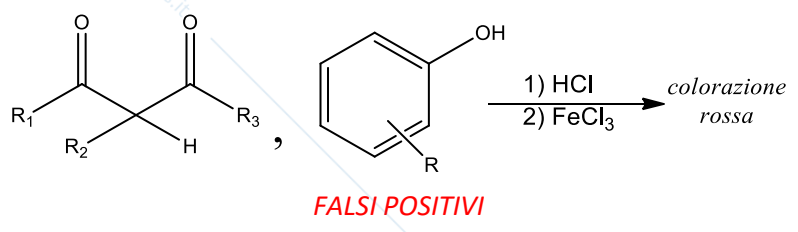
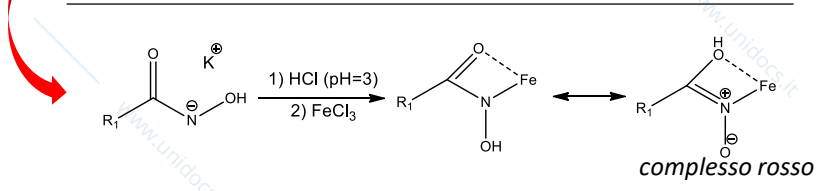
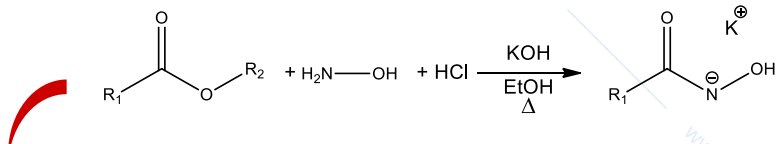


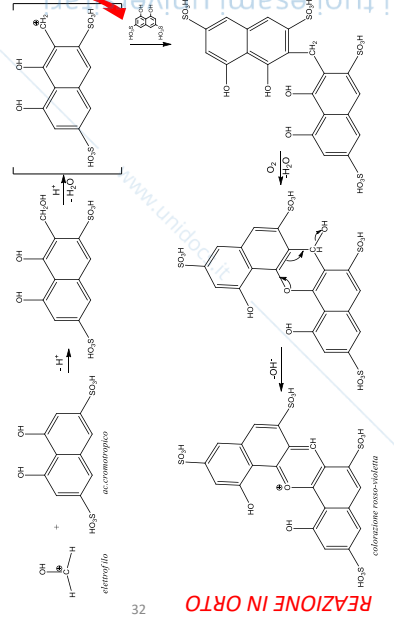
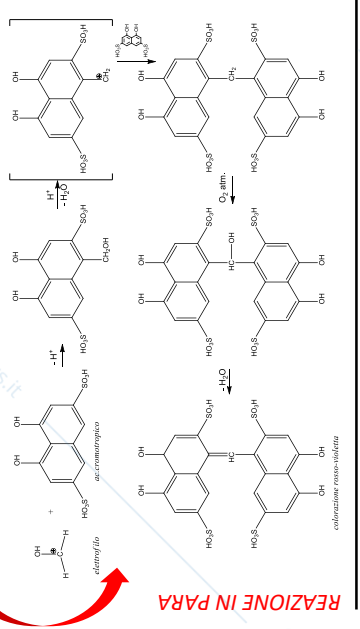
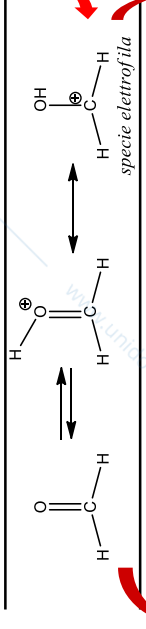


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NON NATURALE**

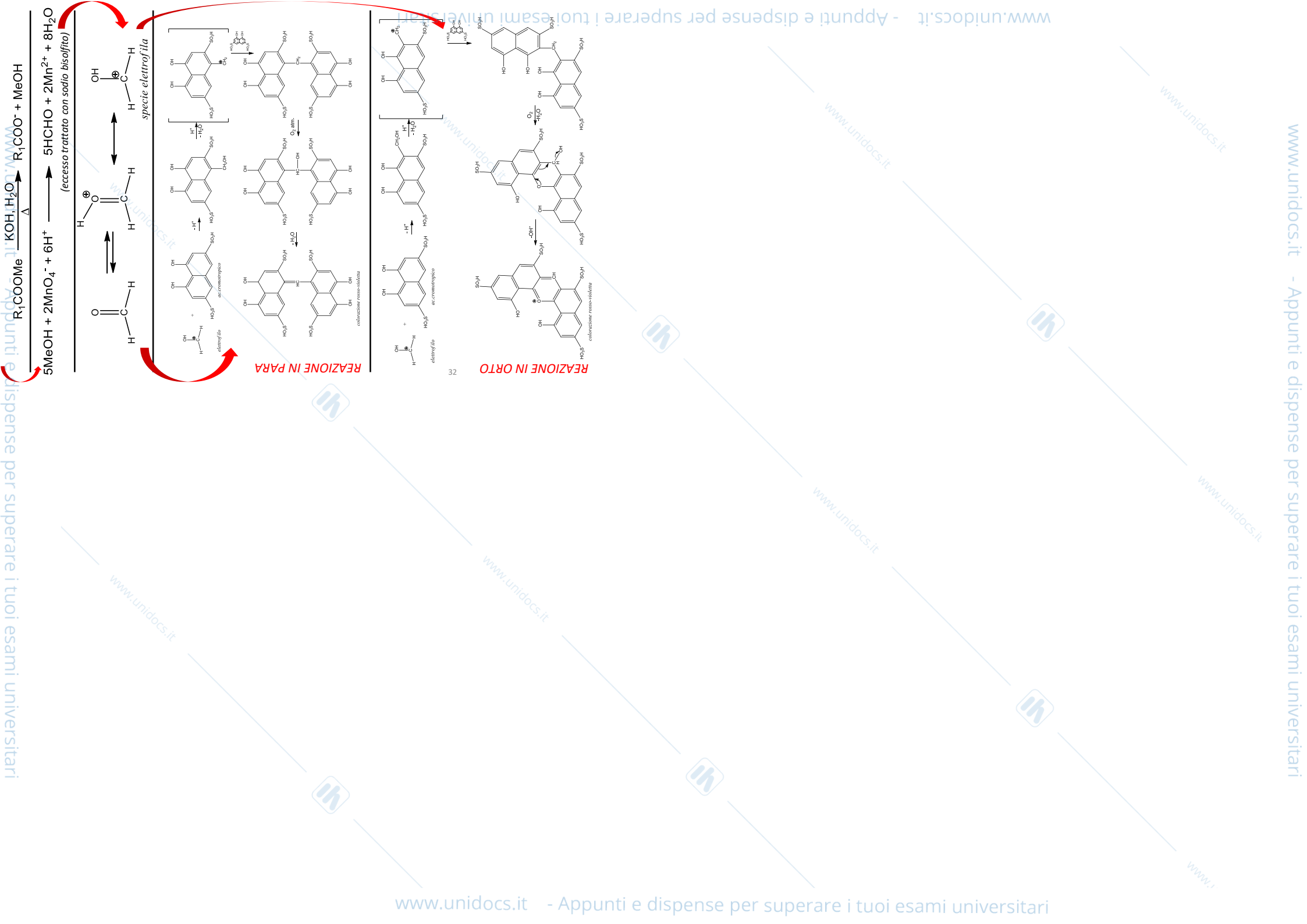


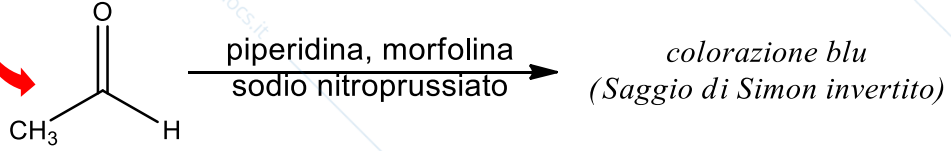
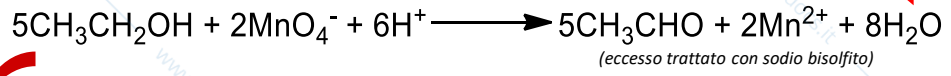
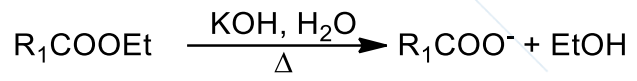
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NATURALE**

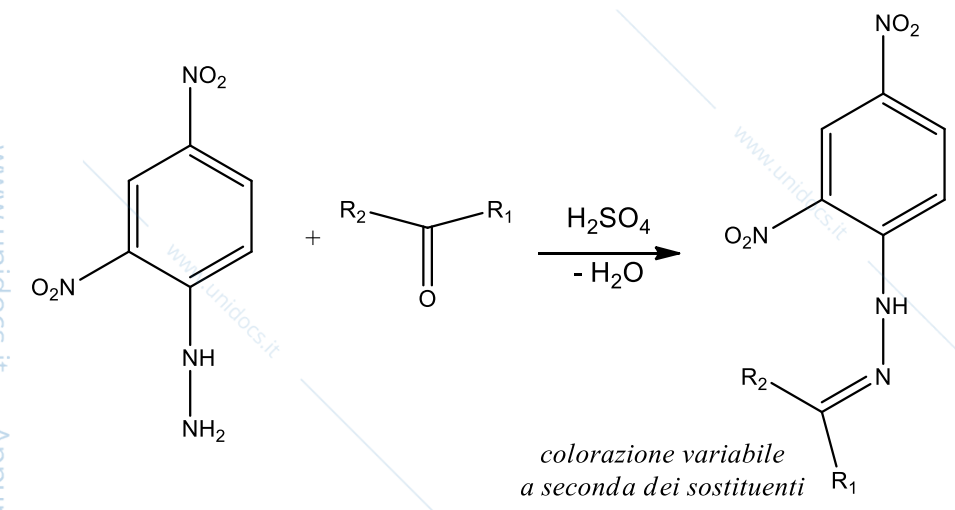


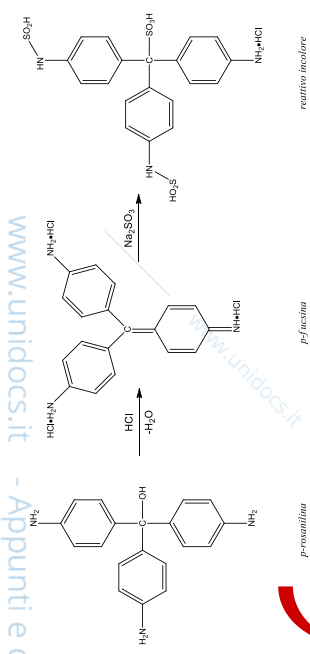


32







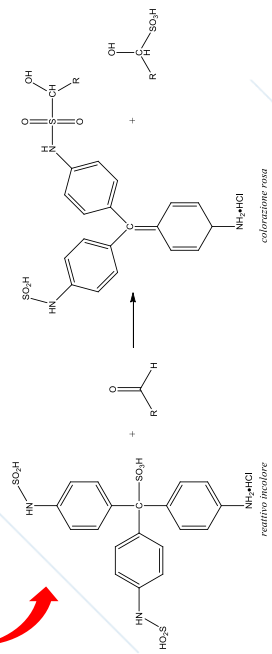


p-nitroanilina

p-fucaina

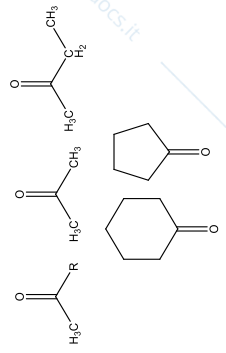
reattivo incolore

PREPARAZIONE REATTIVO

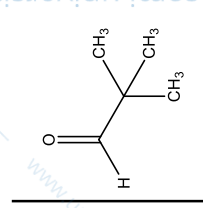


reattivo incolore

colorazione rosa



35



FALSO POSITIVO

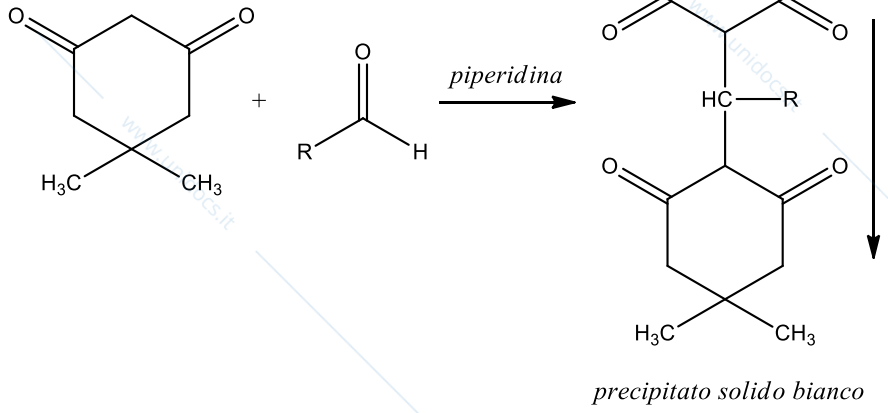
FALSO NEGATIVO

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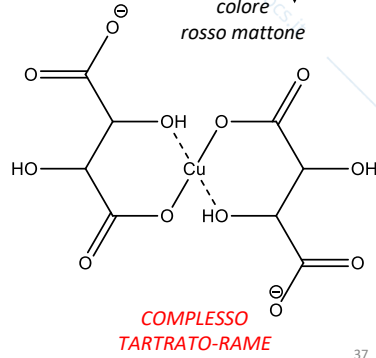
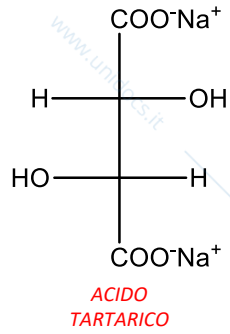
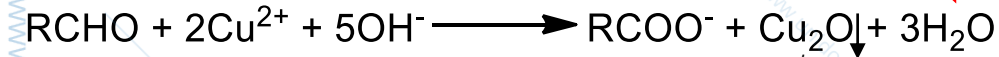
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SOLUZIONE A: solfato di rame
SOLUZIONE B: tartrato di sodio in NaOH

SOLUZIONE DEL COMPOSTO INCOGNITO + A -----> B

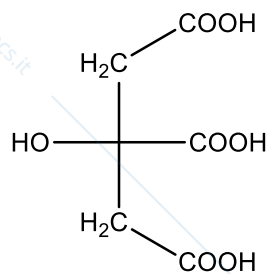
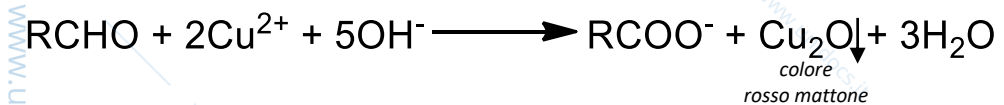


37

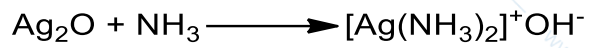
SOLUZIONE A: solfato di rame

SOLUZIONE B: acido citrico in carbonato di sodio acquoso

SOLUZIONE DEL COMPOSTO INCOGNITO + A -----> B

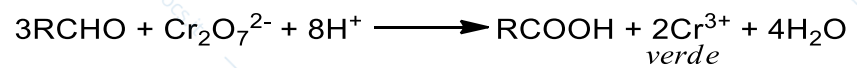
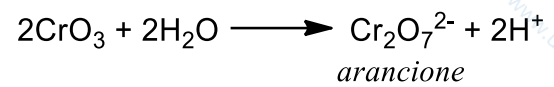


*ACIDO
CITRICO*

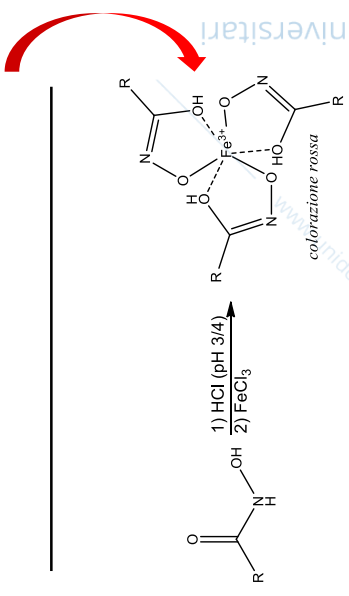
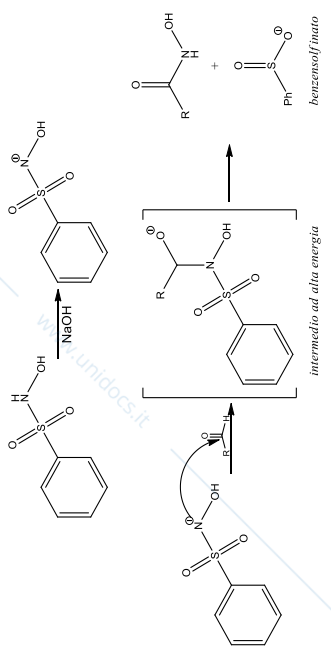


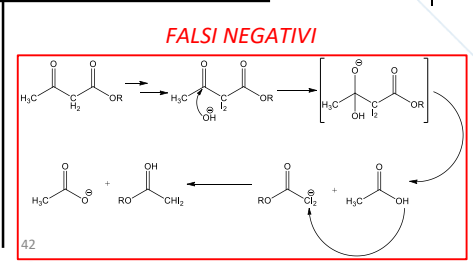
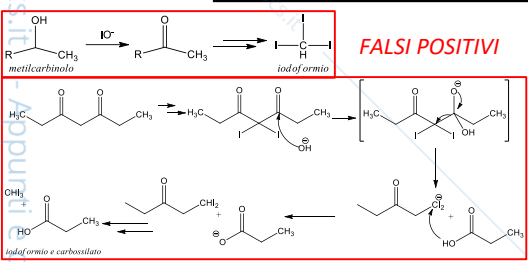
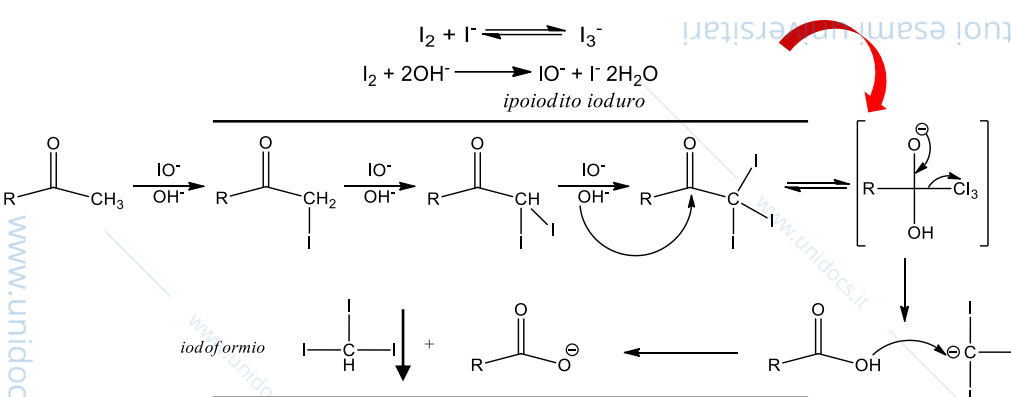
Ag presente come colloide

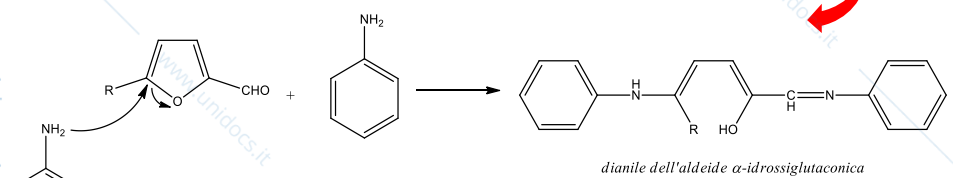
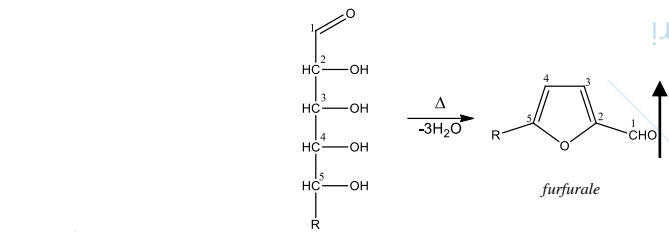
Ag presente come specchio metallico sulla provetta

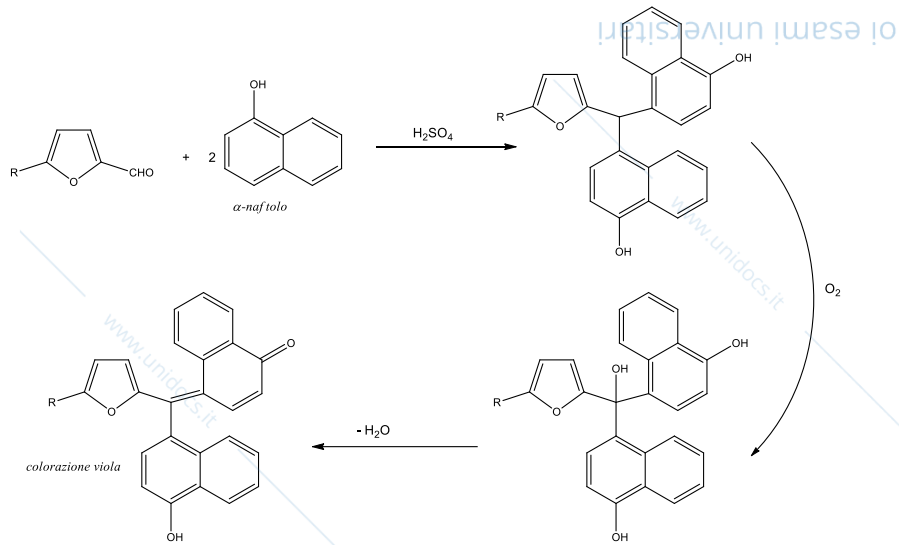


40



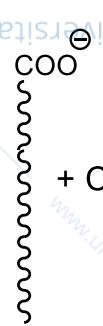
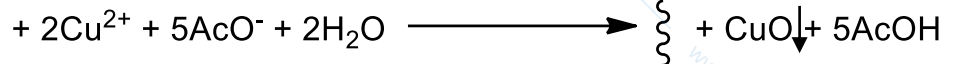






SAGGIO POSITIVO PER FORMAZIONE DI ANELLO VIOLA ALL'INTERFACCIA ACQUA-ACIDO CHE SI ESTENDE A TUTTO IL CONTENITORE PER AGITAZIONE DELLA PROVETTA

CHO



Cu(OAc)₂ 0,33M in AcOH/H₂O 1%

SE MONOSACCARIDE

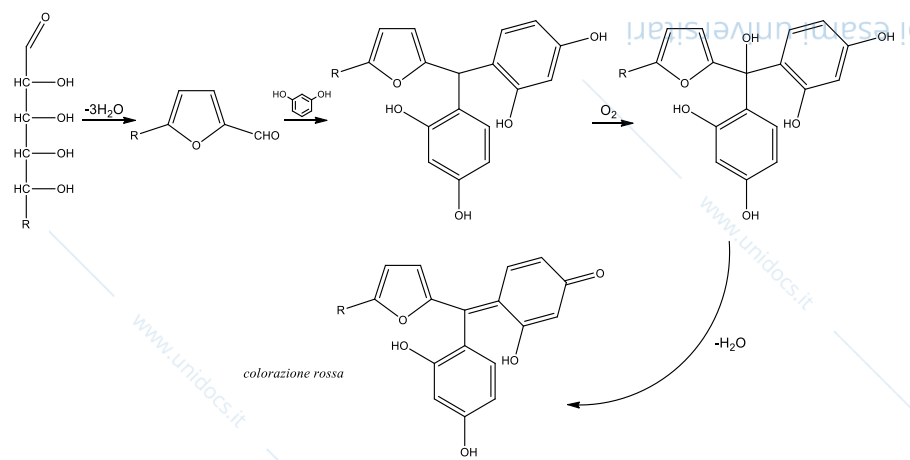
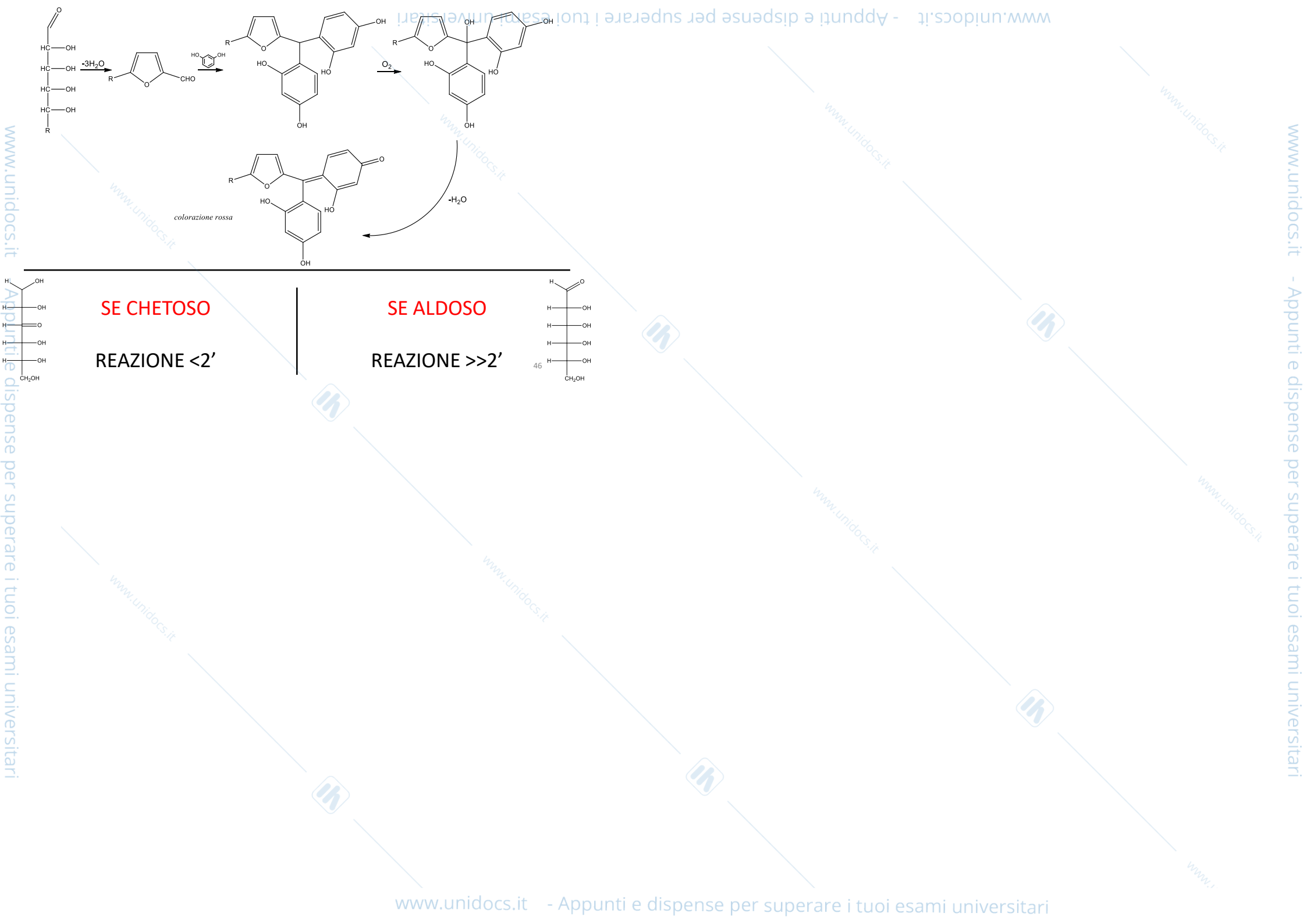
REAZIONE <2'

SE DISACCARIDE

REAZIONE >>2'

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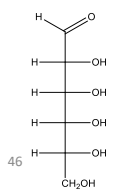


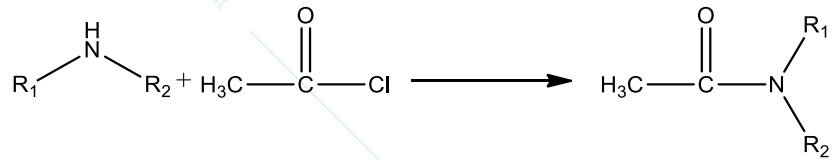
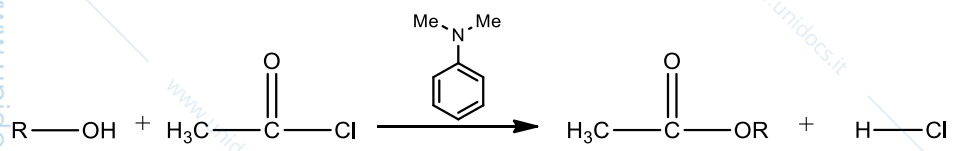
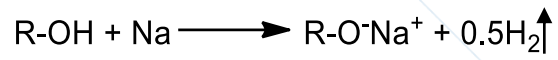
SE CHETOSO

REAZIONE <2'

SE ALDOSO

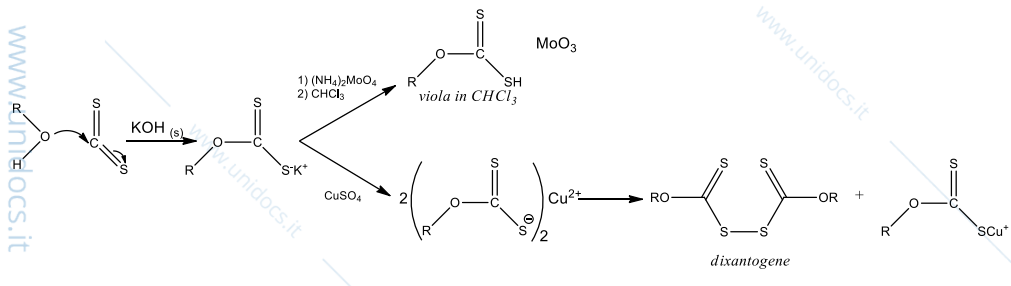
REAZIONE >>2'

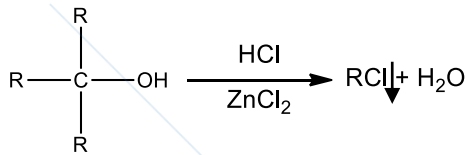
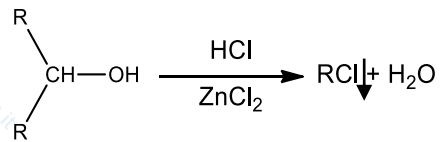
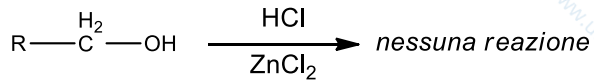
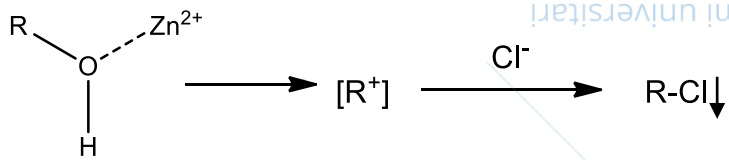


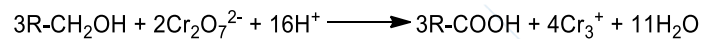


AMMIDE INSOLUBILE IN ACQUA
(FASE OLEOSA)

47

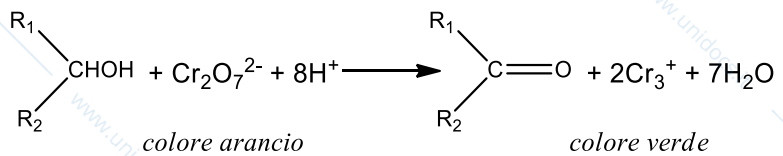






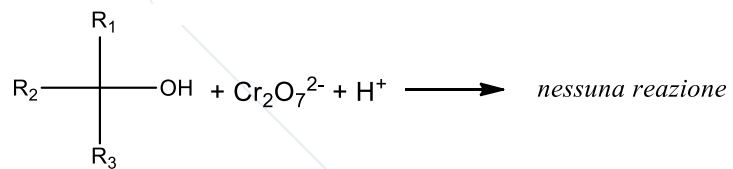
colore arancio

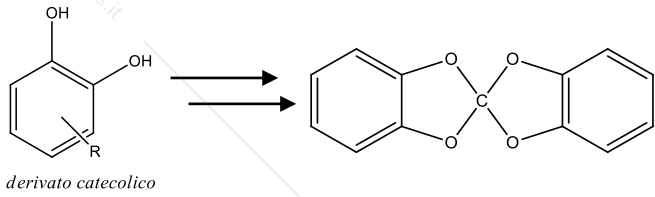
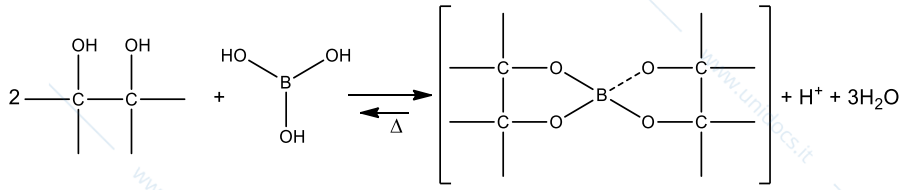
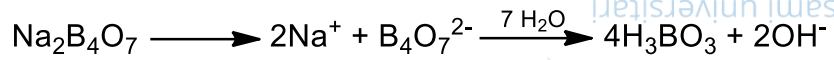
colore verde

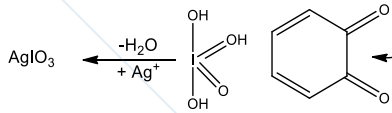
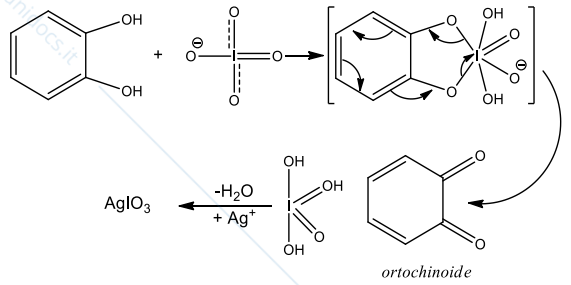
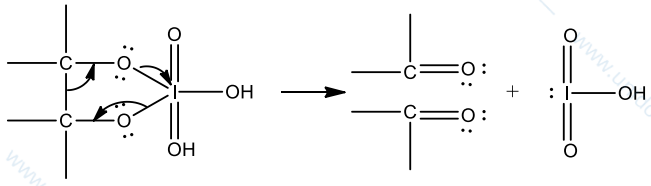
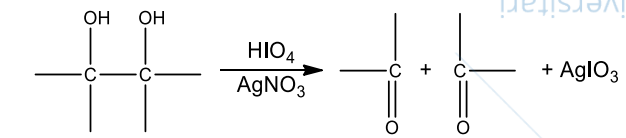


colore arancio

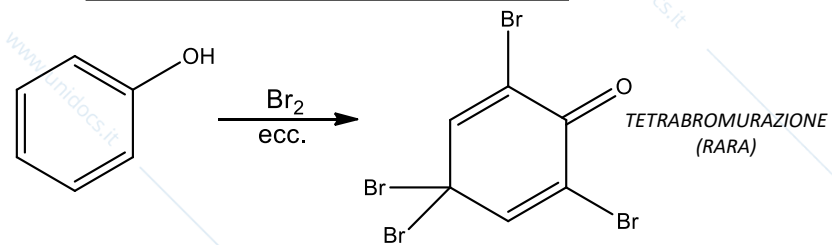
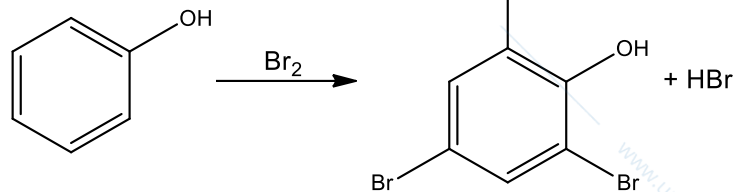
colore verde



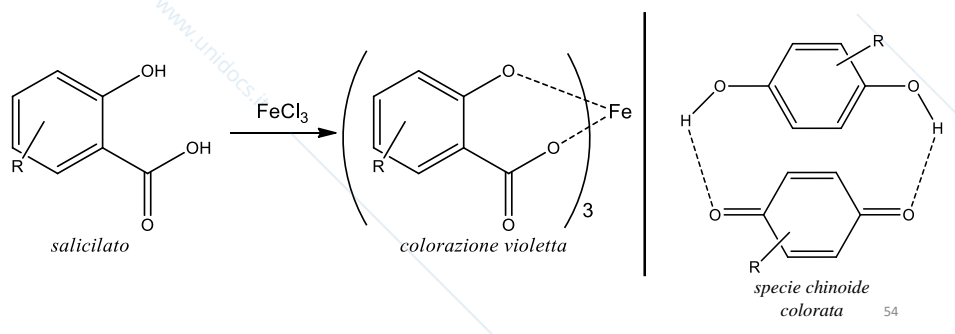
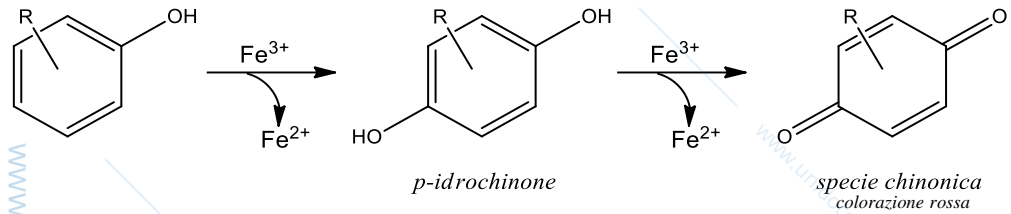




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SAGGIO POSITIVO PER DECOLORAZIONE E AUMENTO ACIDITÀ

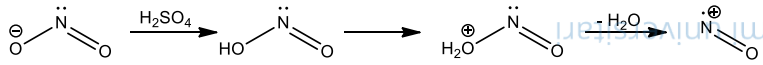


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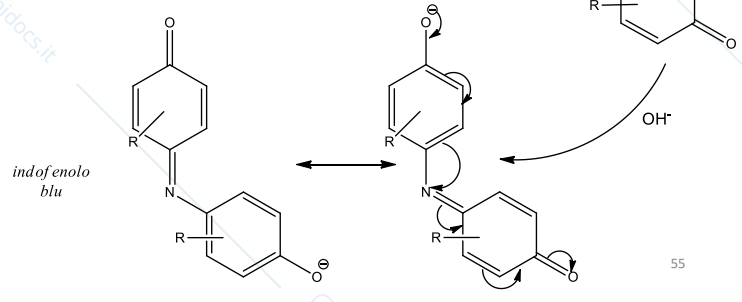
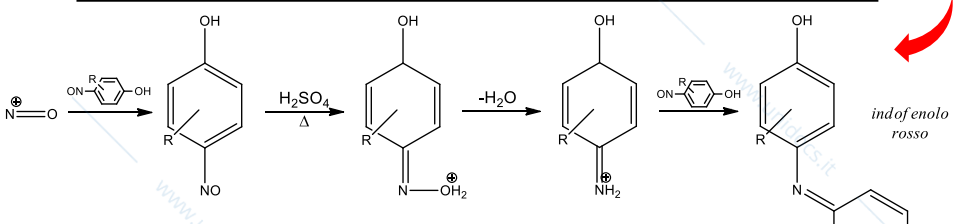
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catione nitrosilico

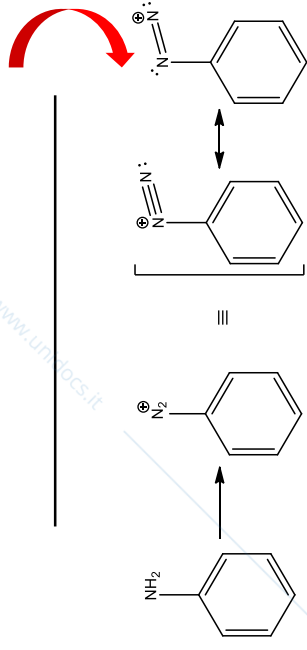


PROVETTA N.1: anilina in HCl acquoso

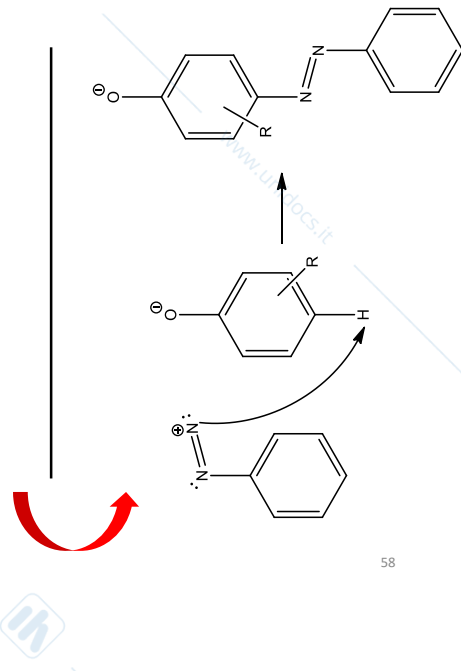
PROVETTA N.2: soluzione acquosa di NaNO_2

PROVETTA N.3: composto ignoto in NaOH

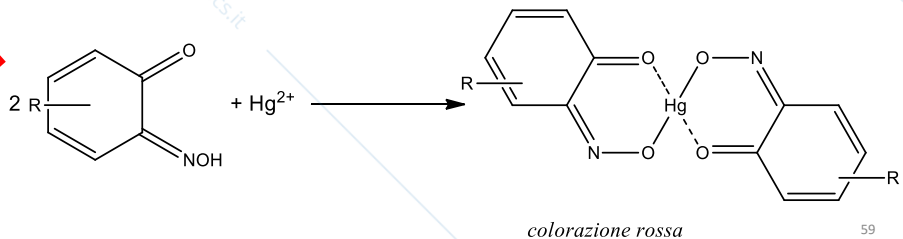
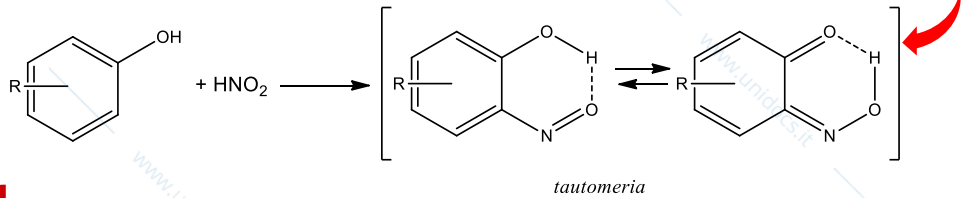
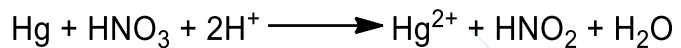
SOLUZIONE 2 IN 1 ----> SOLUZIONE (2+1) IN 3

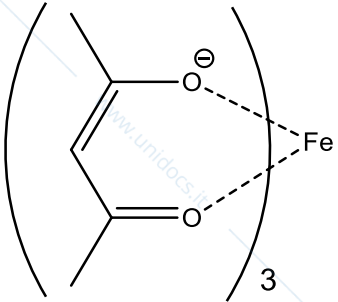
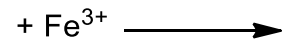
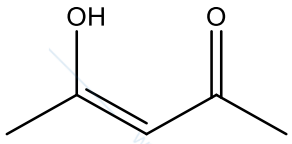


sale di diazonio

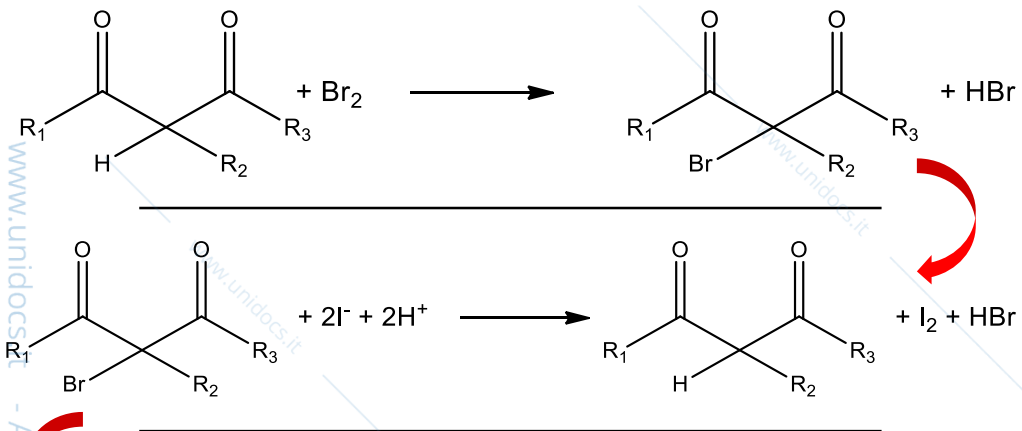


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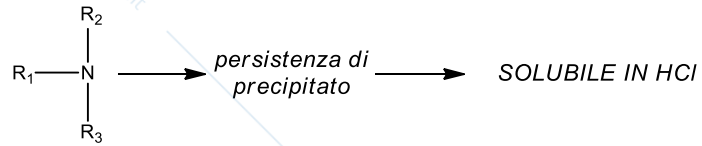
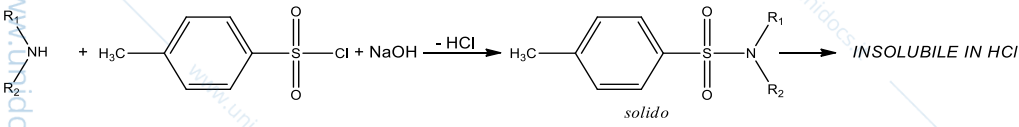
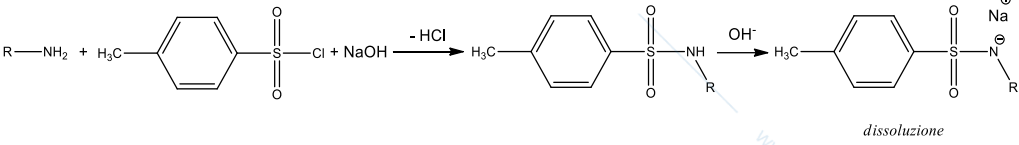
COLORAZIONE ROSSA

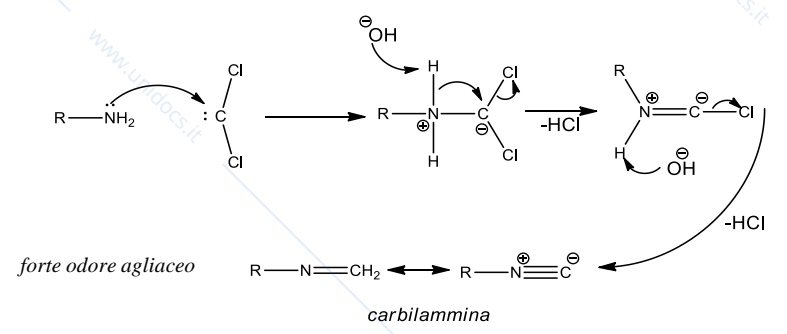
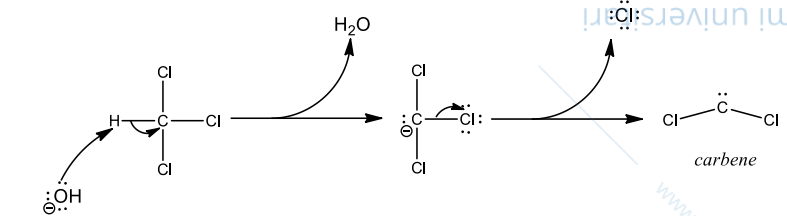


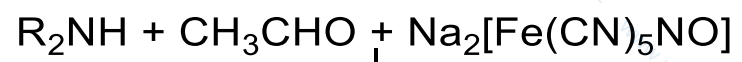
COLORAZIONE BLU INTENSA

L'AGGIUNTA DI SALDA D'AMIDO EVIDENZIA LO IODIO

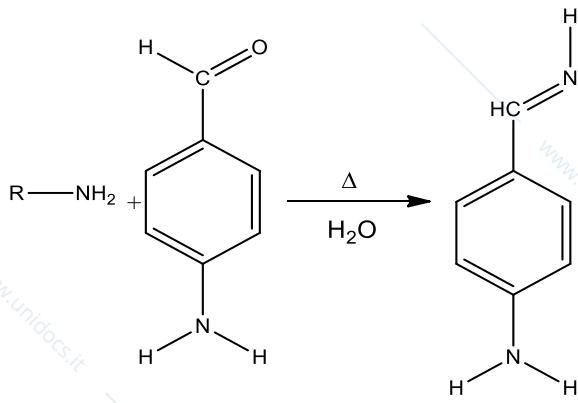
61



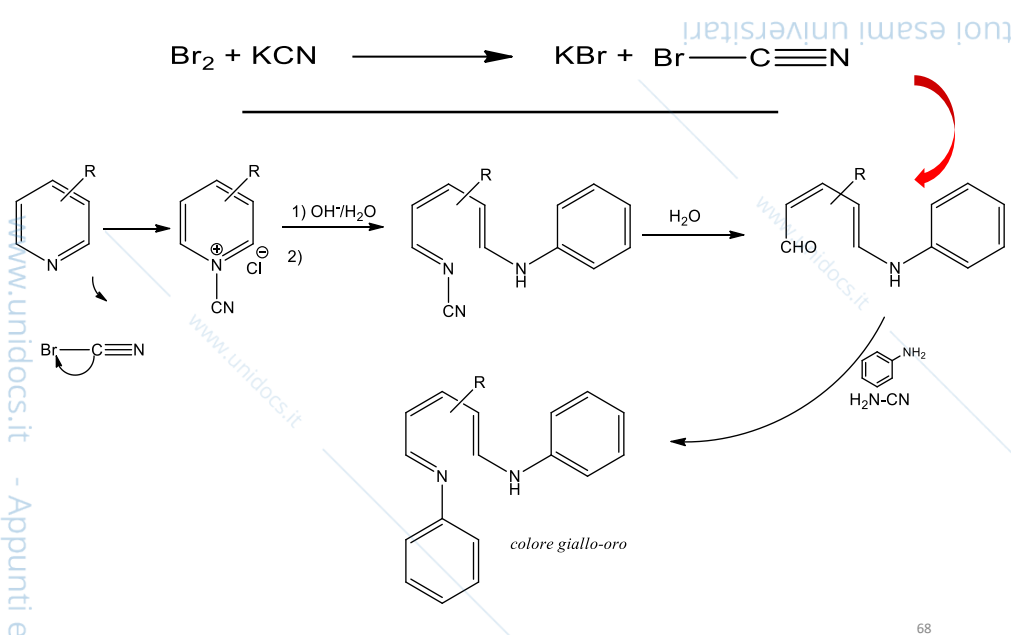


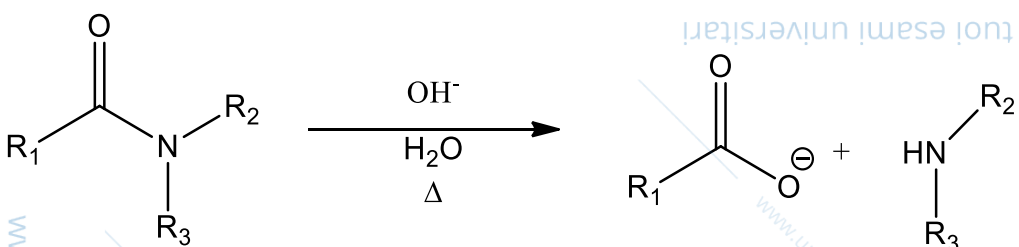


complesso di Awe-Simon
colorazione blu



COLORAZIONE DELL'IMMINA VARIABILE A SECONDA DEI SOSTITUENTI



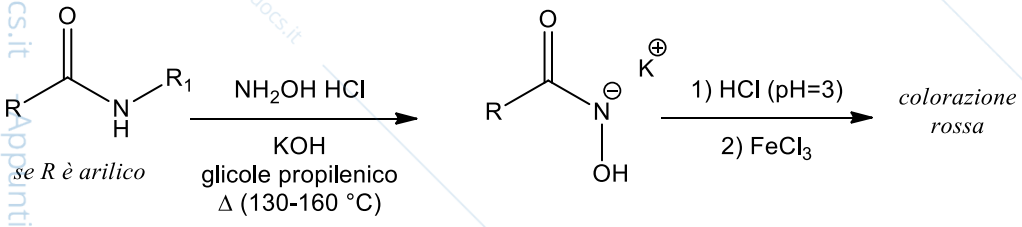
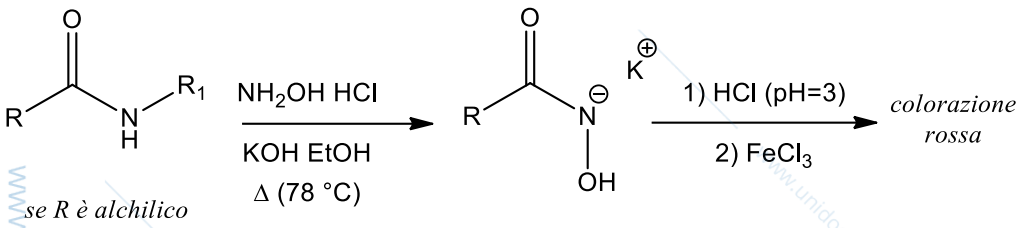


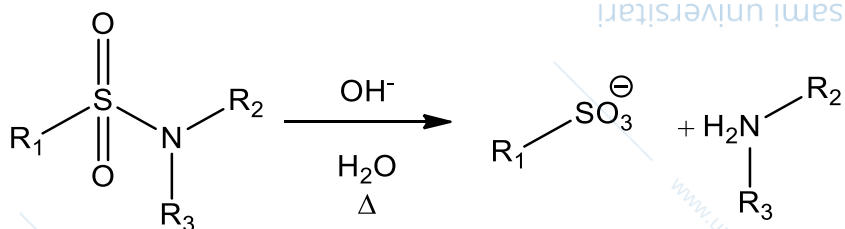
Ammidi I: generano solo NH_3

Ammidi II: generano solo ammine I

Ammidi III: generano solo ammine II

IDENTIFICAZIONE DELLE AMMINE IN SOLUZIONE



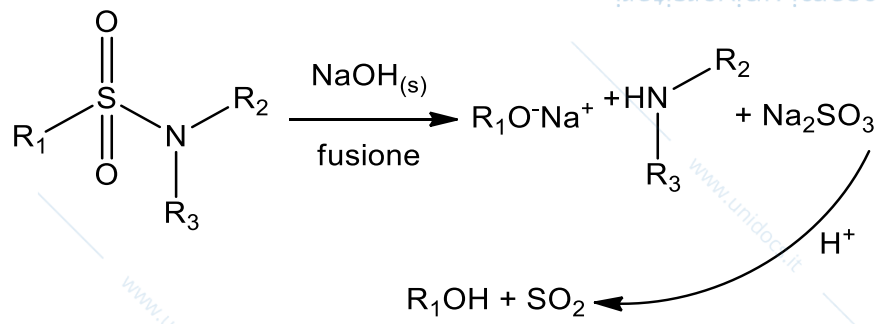


Solfonammidi I: generano solo NH_3

Solfonammidi II: generano solo ammine I

Solfonammidi III: generano solo ammine II

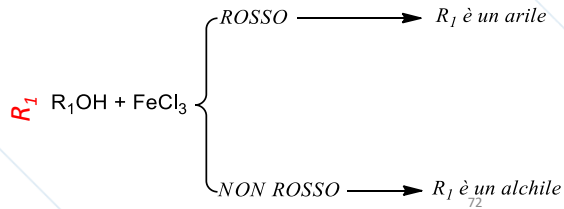
IDENTIFICAZIONE DELLE AMMINE IN SOLUZIONE

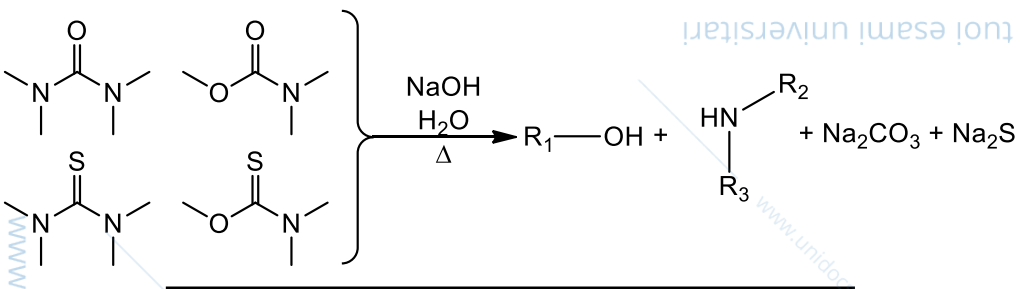


IDENTIFICAZIONE SO₂

CARTINA AL
REATTIVO DI JONES

IDENTIFICAZIONE R₁





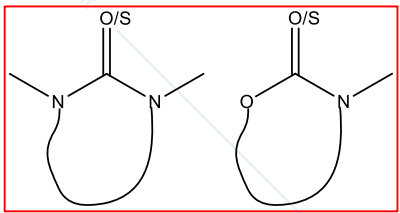
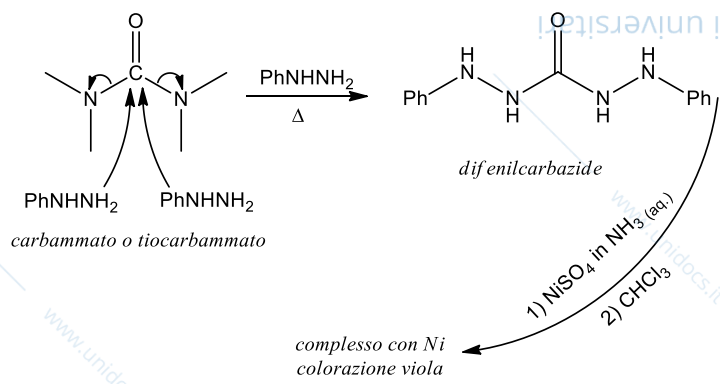
IDENTIFICAZIONE

Vapori basici: saggi con acido nitroso, saggio di Simon, saggio per le anilidi;

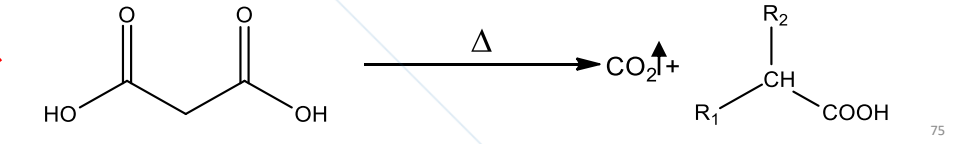
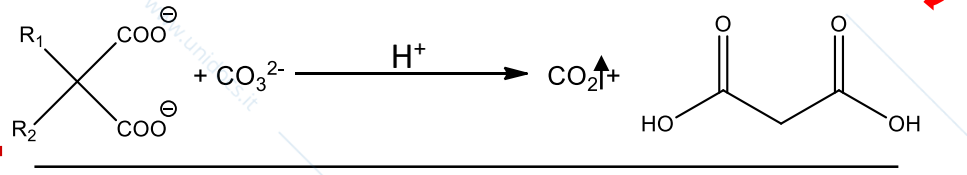
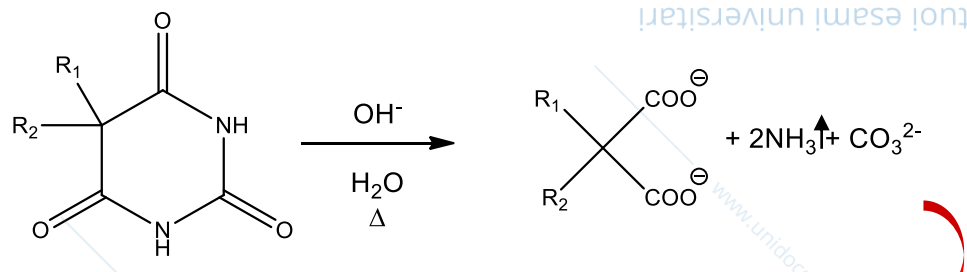
Componente alcolica o fenolica: saggio con FeCl_3 ;

Na_2S : sviluppo di H_2S per acidificazione e verifica con cartina all'acetato piombo;

Na_2CO_3 : rilascio vapori di CO_2 per acidificazione, intrappolabili in un tubo a sviluppo contenente $\text{Ba}(\text{OH})_2$



**FALSI
NEGATIVI**



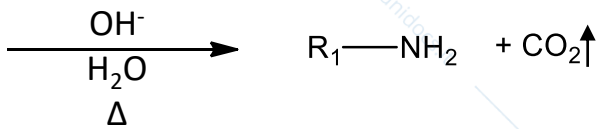
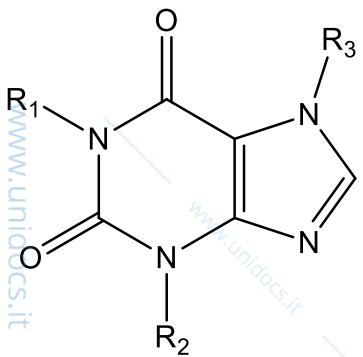
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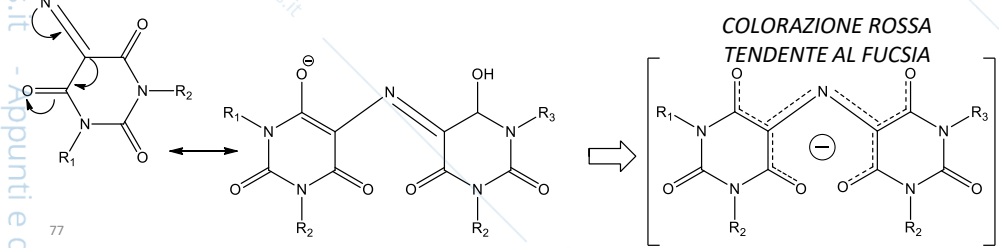
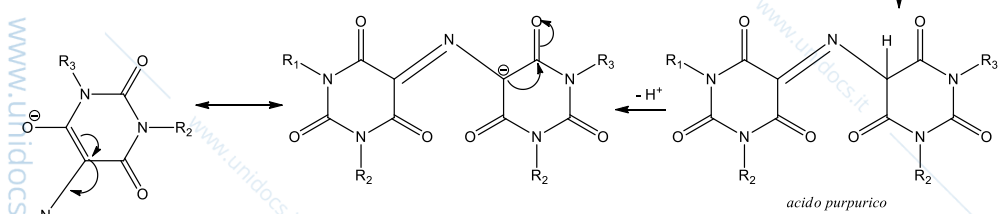
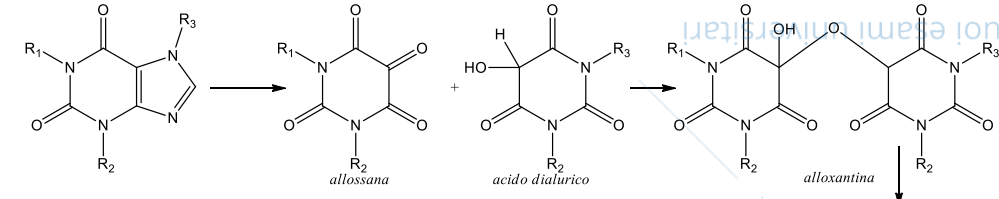
www.unidocs.it - Appunti e dispense per superare i tuoi esami universitari

www.unidocs.it - Appunti e dispense per superare i tuoi esami universitari

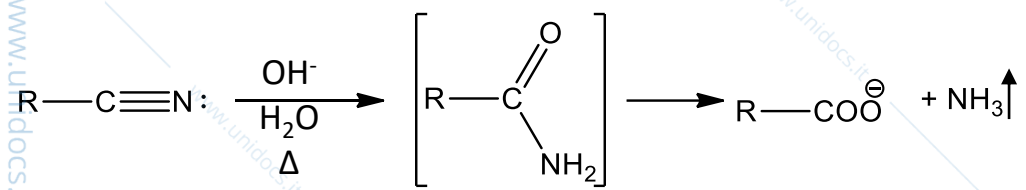
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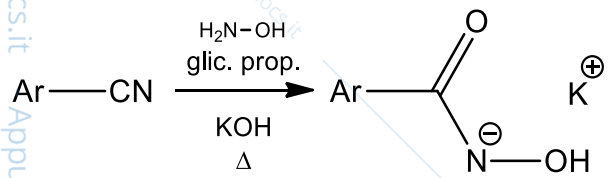
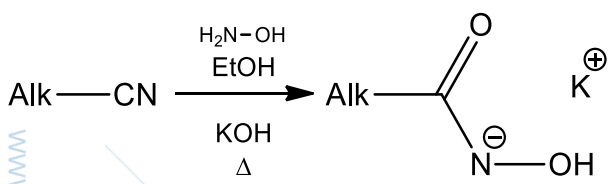
www.unidocs.it - Appunti e dispense per superare i tuoi esami universitari



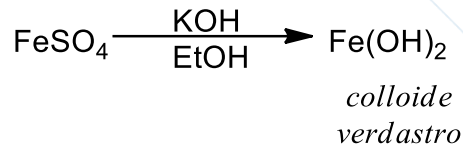


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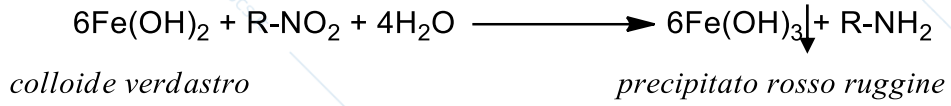


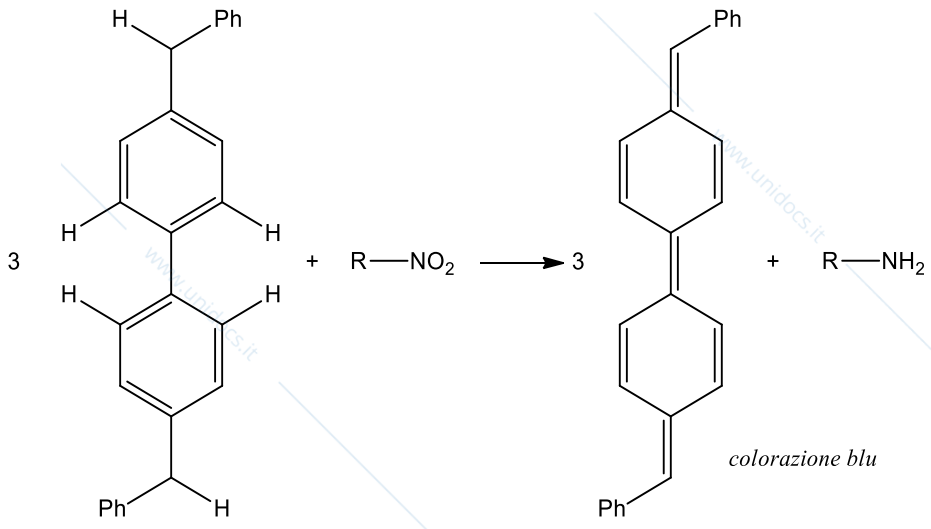


1) HCl
2) FeCl₃ → *colorazione rossa*

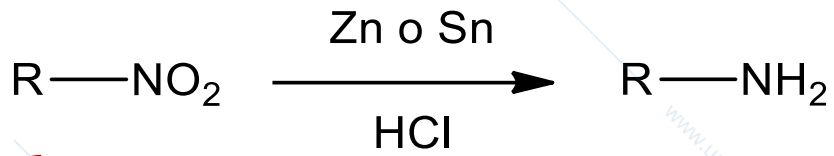


PREPARAZIONE
REATTIVO
IN SITU





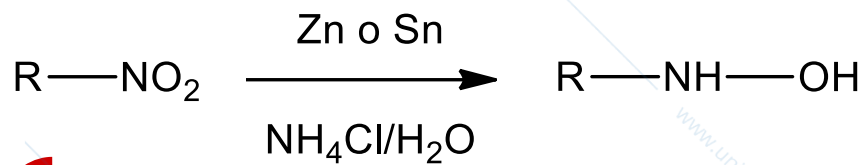
81



*VERIFICA PRESENZA
AMMINA PRIMARIA*



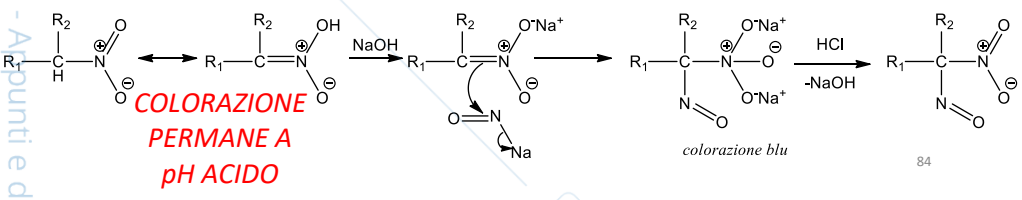
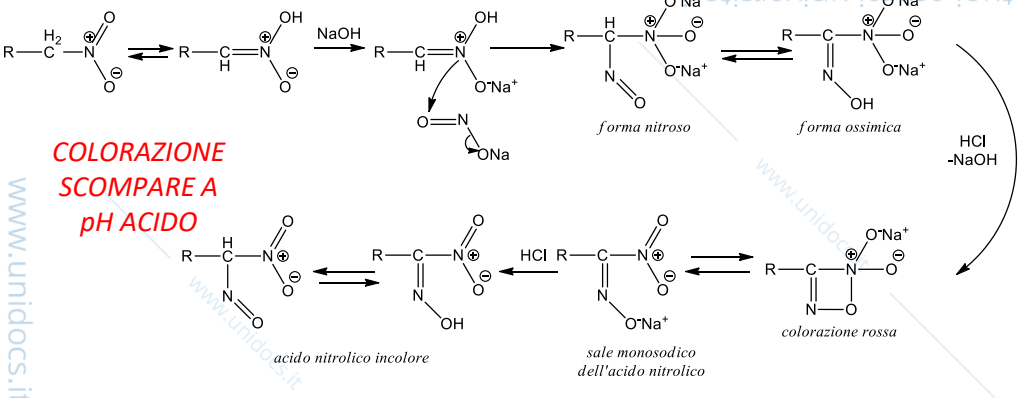
*SAGGIO DELLE TRE
PROVETTE PER
AMMINA AROMATICA
O ALIFATICA*

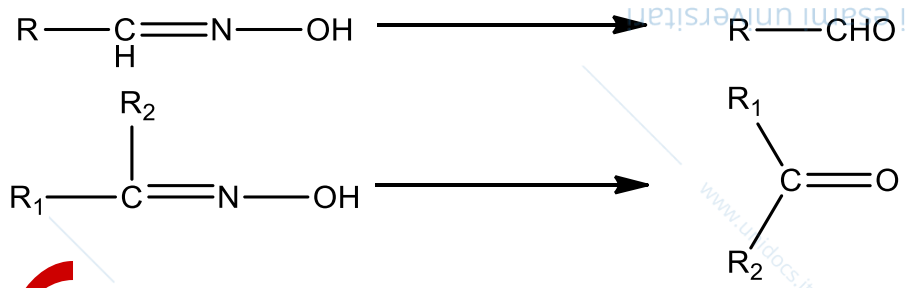


SAGGIO DI TOLLENS



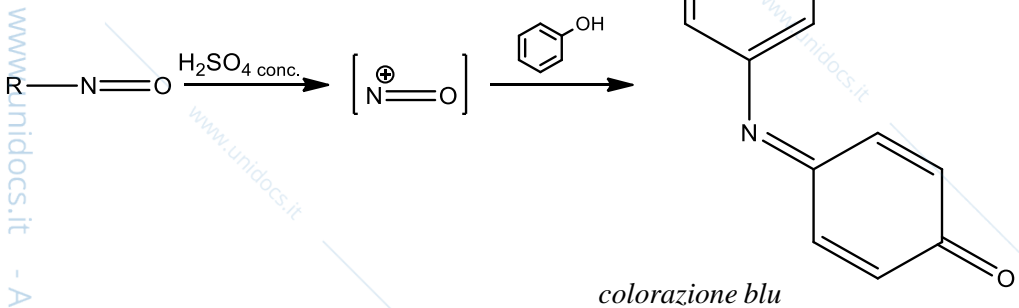
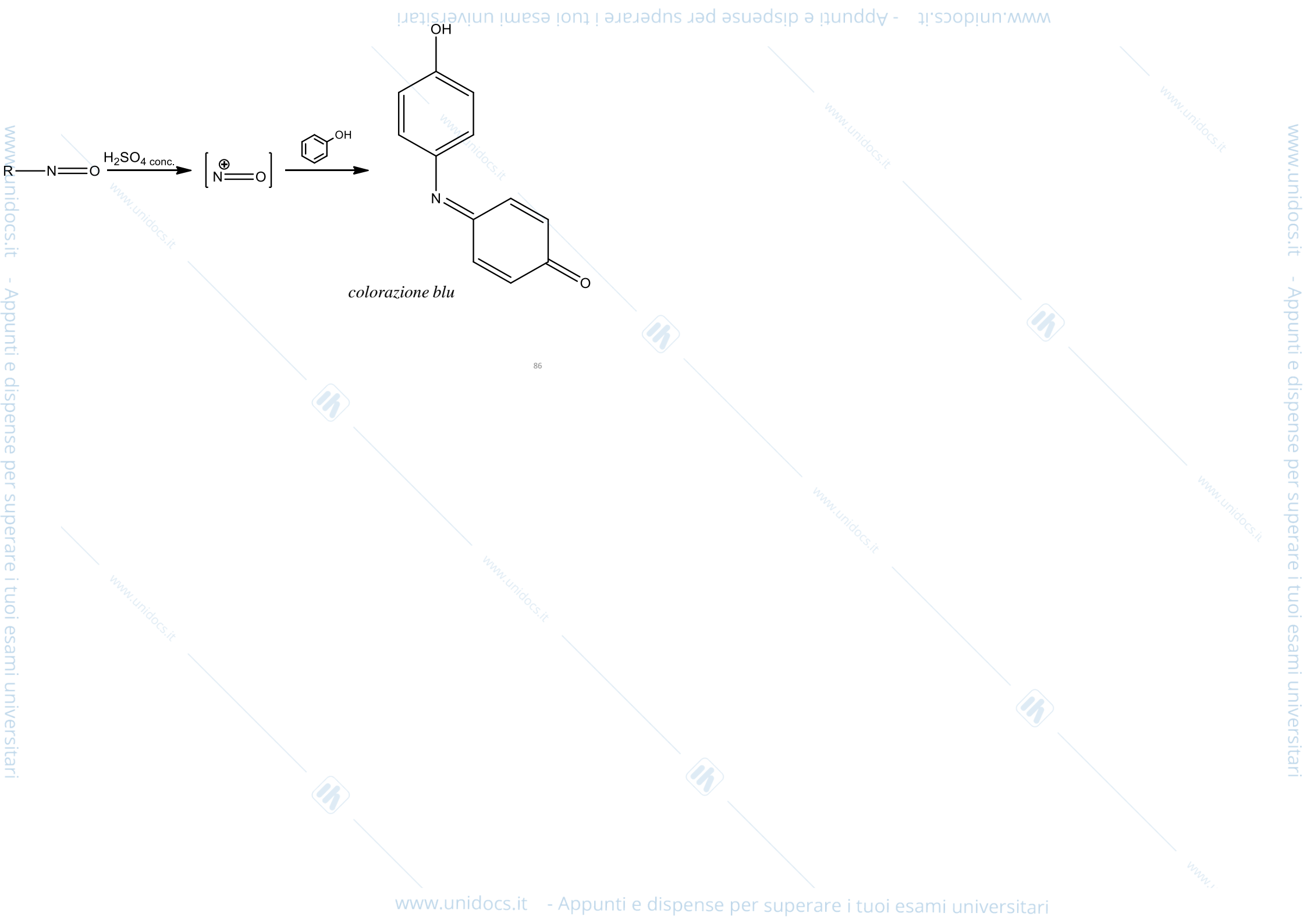
SAGGIO DI FEHLING

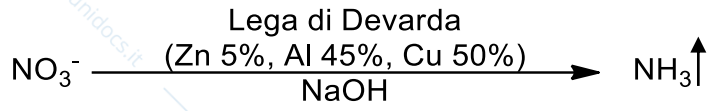
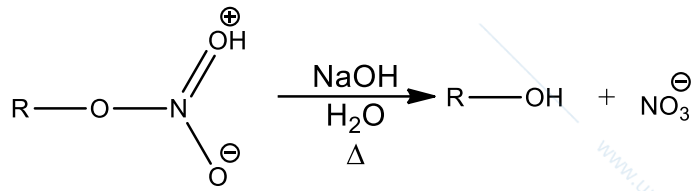




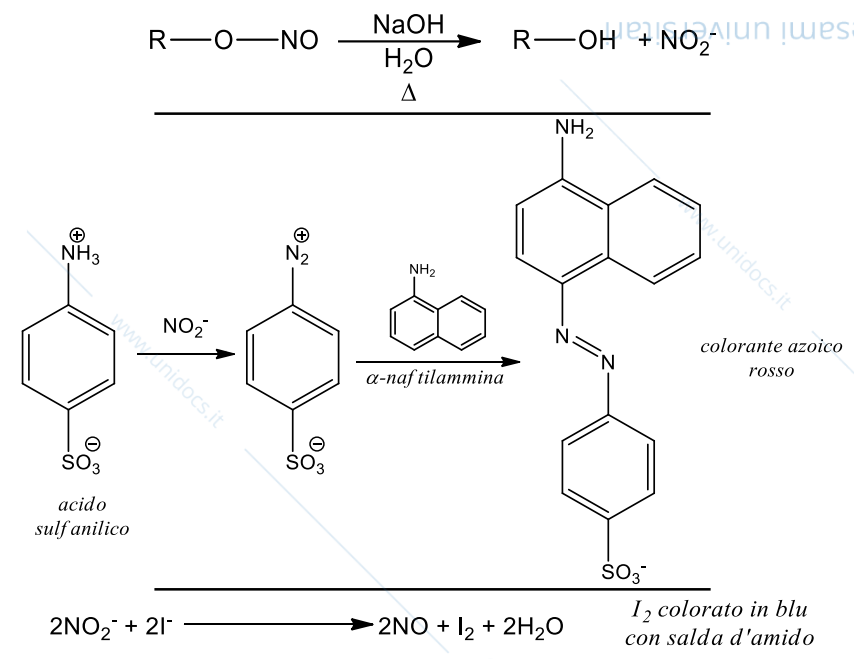
**FORME OSSIMICHE
 DANNO IDROLISI
 DELLE BASI DI SCHIFF
 IN AMBIENTE
 FORTEMENTE ACIDO**

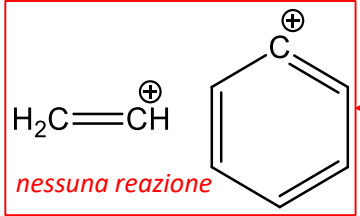
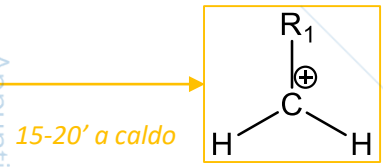
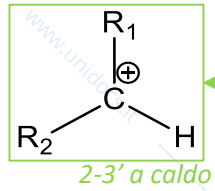
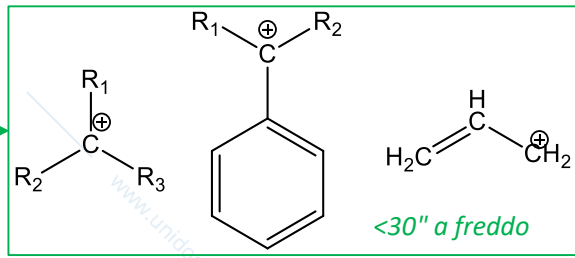
**SAGGIO DELLA 2,4-DNPH
 POSITIVO**

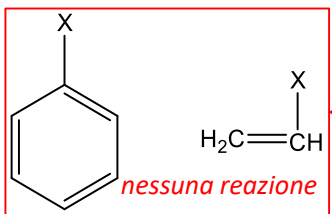
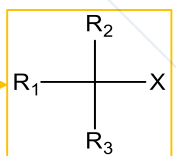
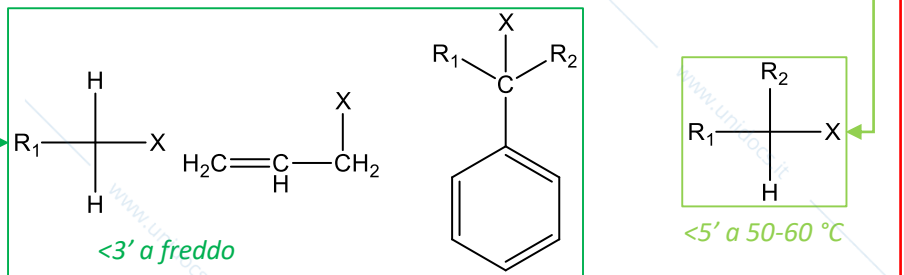
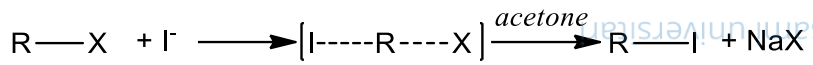




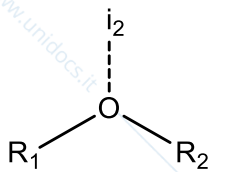
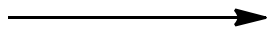
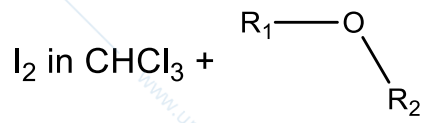
SUCCESSIVO RICONOSCIMENTO NH_3





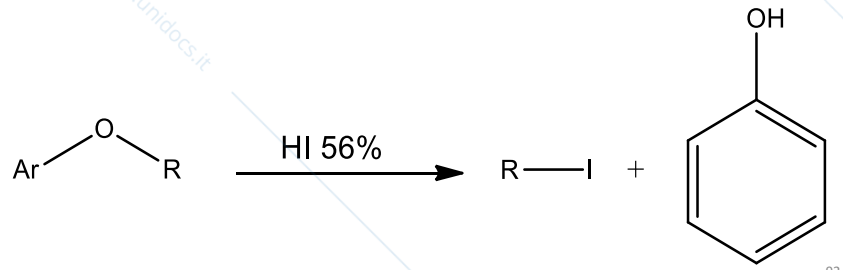
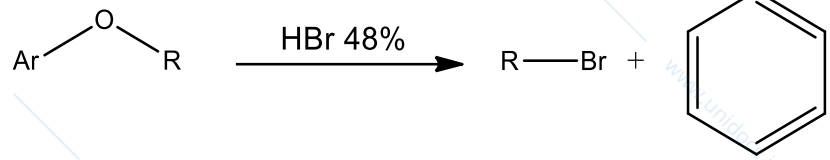


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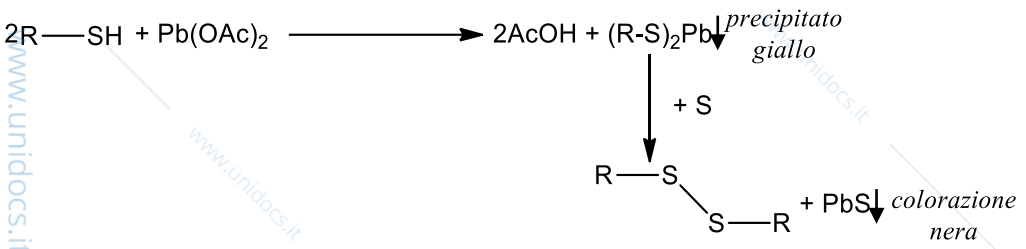


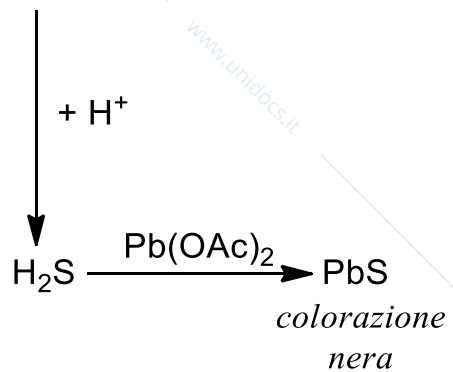
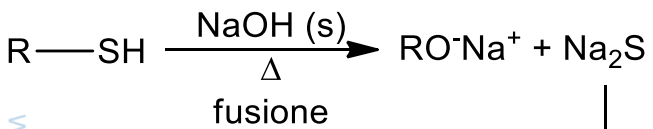
soluzione violetta

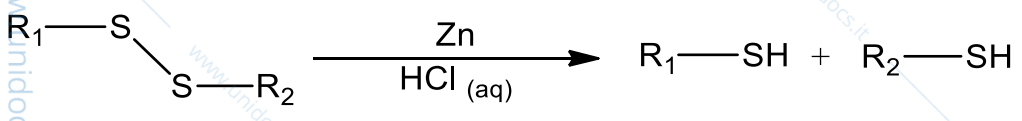
soluzione brunastra



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RICONOSCIMENTO CON PIOMBO ACETATO