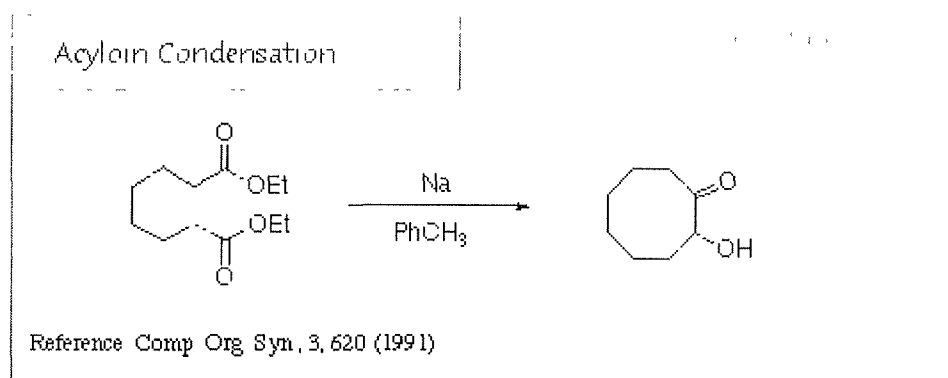
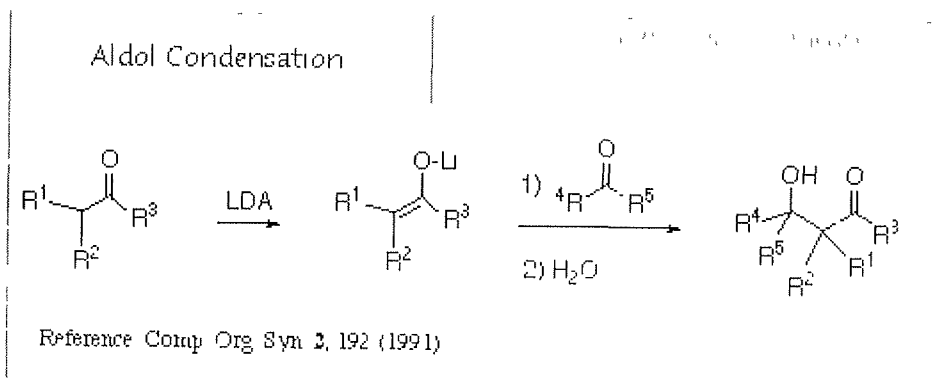


- Acyloin Condensation	Diels-Alder Reaction	Peterson Reaction
- Aldol Condensation	Doebner Reaction	Pinner Reaction
- Arbusov Reaction	Edman Degradation	Pfizzner-Moffatt Oxidation
Arndt-Eistert Synthesis	Einhorn -Brunner Reaction	Pictet-Gams Isoquinoline Synthesis
Baeyer-Villiger Reaction	Emmert Reaction	Pictet-Spengler Isoquinoline Synthesis
Bamford-Stephens Reaction	Ene Reaction	Synthesis
Barbier Reactions	Eschenmoser Fragmentation	Piloty-Robinson Synthesis
Barbier-Wieland Degradation	Favorskii Rearrangement	Pinacol Rearrangement
Barton Reaction	Feist-Benary Synthesis	Pomeranz-Fritsch Reaction
Barton-McCombie Reaction	Finkelstein Reaction	Polonovski Reaction
Barton Olefin Synthesis	Fischer Indole Synthesis	Quelet Reaction
Baudisch Reaction	Fischer Oxazole Synthesis	Reformatski Reaction
Baylis-Hillman Reaction	Flood Reaction	Reissert Reaction
Bechamp Reduction	Friedel-Crafts Acylation	Reissert Indole Synthesis
Beckmann Rearrangement	Friedel-Crafts Alkylation	Riehm Quinoline Synthesis
Beckmann Fragmentation	Friedlander Synthesis	Riley Oxidation
Benzilic Acid Rearrangement	Fries Rearrangement	Ritter Reaction
Benzoin Condensation	Gabriel Synthesis	Robinson Annulation
Bergman Reaction	Gattermann-Koch Reaction	Rosenmund Reduction
Bernthsen Acridine Synthesis	Goldberg Reaction	Rowe Rearrangement
Biginelli Reaction	Grob Fragmentation	Rubottom Oxidation
Birch Reduction	Hammick Reaction	Ruff-Fenton Degradation
Bishler-Mohlau Indole Synthesis	Harries Ozonide Reaction	Sandmeyer Reaction
Bishler-Napieralski Reaction	Heck Reaction	Scholl Reaction
Blaise Reaction	Hell-Volhard-Zelinsky Reaction	Schmidt Rearrangement
Blanc Reaction	Henry Reaction	Schotten-Baumann Reaction
Bodroux Reaction	Hinsberg Thiophene Synthesis	Sharpless Dihydroxylation
Borsche-Drechsel Cyclization	Hofmann Reaction	Sharpless Epoxidation
Brackeen Imidazole Synthesis	Hofmann-Martius Rearrangement	Simmons-Smith Reaction
Brook Rearrangement	Homer-Emmons	Simonis Chromone Cyclization
Bucherer-Bergs Reaction	Hunsdiecker Reaction	Skraup Reaction
Cannizzaro Reaction	Jacobsen Epoxidation	Sommelet-Hauser Rearrangement
Carroll Rearrangement	Jones Oxidation	Stephen Aldehyde Synthesis
Castro-Stephens Coupling	Knoevenagel Condensation	Stevens Rearrangement
Chichibabin Reaction	Knorr Pyrrole Synthesis	Swern Oxidation
Claisen Condensation	Knorr Quinoline Synthesis	Tiemann Rearrangement
Claisen Rearrangement	Kolbe-Schmitt Reaction	Ullmann Reaction
Clemmensen Reduction	Krapcho Decarboalkoxylation	Wacker Oxidation
Combes Quinoline Synthesis	Krohnke-Pyridine Synthesis	Wharton Reaction
Conrad-Limpach Reaction	Kucheroov Reaction	Whiting Reaction
Cope Rearrangement	Leuckart Reaction	Wichterle Reaction
Cope Elimination Reaction	Letts Nitrile Synthesis	Wolff Rearrangement
Cory-Kim Oxidation	Lieben Iodoform Reaction	Wolff Kishner Reduction
Craig Method	Lossen Rearrangement	Wittig Reaction
Curtius Rearrangement	Madelung Synthesis	1,2-Wittig Rearrangement
Dakin Reaction	Mannich Reaction	2,3- Wittig Rearrangement
Dakin West Reaction	Milas Hydroxylation Reaction	
Darzens Condensation	Mitsunobu Reaction	
Dess-Martin Oxidation	McMurry Reaction	
Dieckmann Reaction	Meerwein-Ponndorf-Verley Reduction	

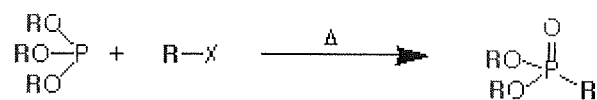


Done



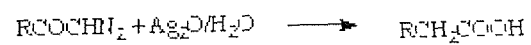
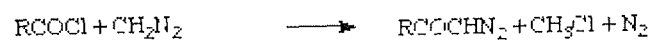
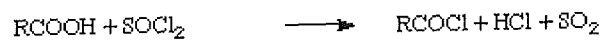
Done

Arbuzov Reaction

Reference Chem Rev. **81**, 415 (1981)

Done

Arndt-Eistert Synthesis



Reference Angew Chem, 72, 535 (1960)



Done

Baeyer-Villiger Oxidation

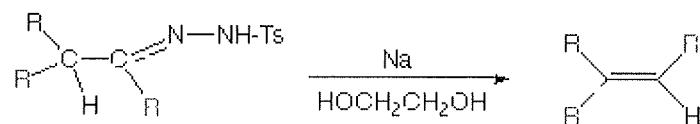
Reference: *Comp. Org. Syn.*, **7**, 671-688 (1991)

Copyright © 2000 by Custom Synthesis, LLC

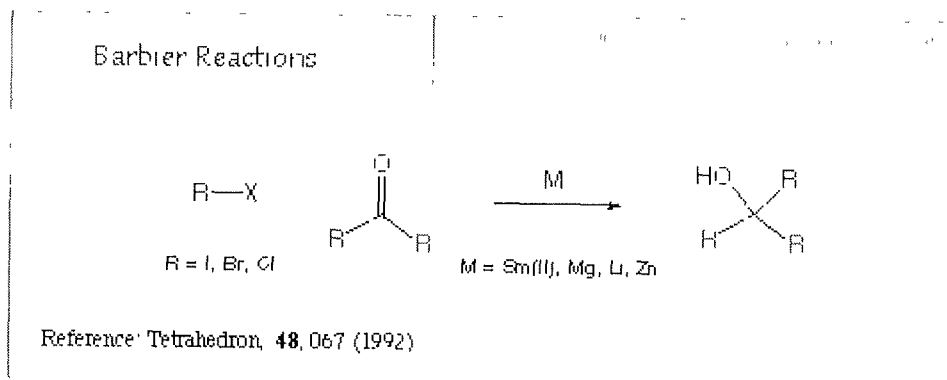


Done

Bamford-Stevens Reaction

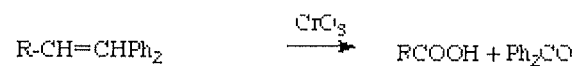
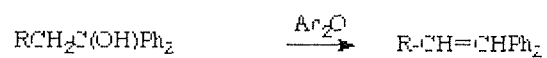
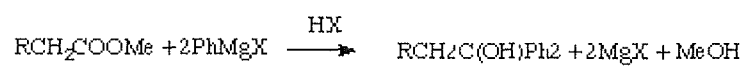
Reference *Comp Org Syn*, **6**, 776 (1991)

Done



Done

Barbier-Wieland Degradation

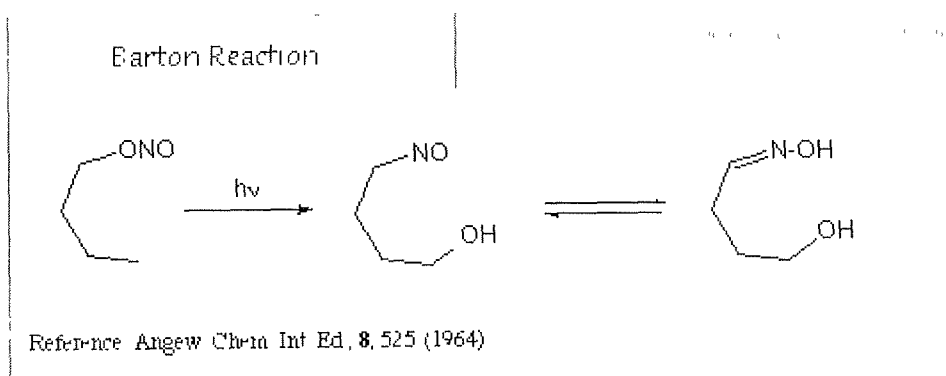


Reference TL, 3685 (1976)

Journal of Organic Chemistry, 41, 3685 (1976)

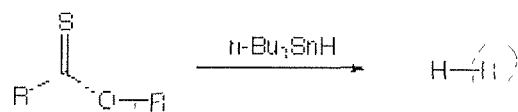


Done

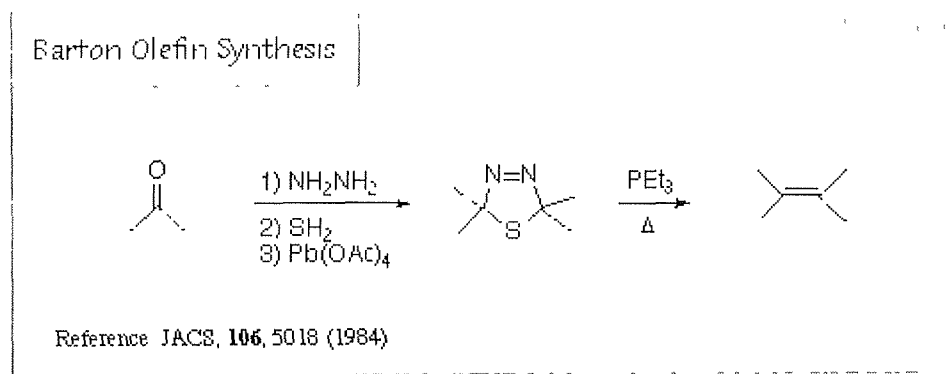


Done

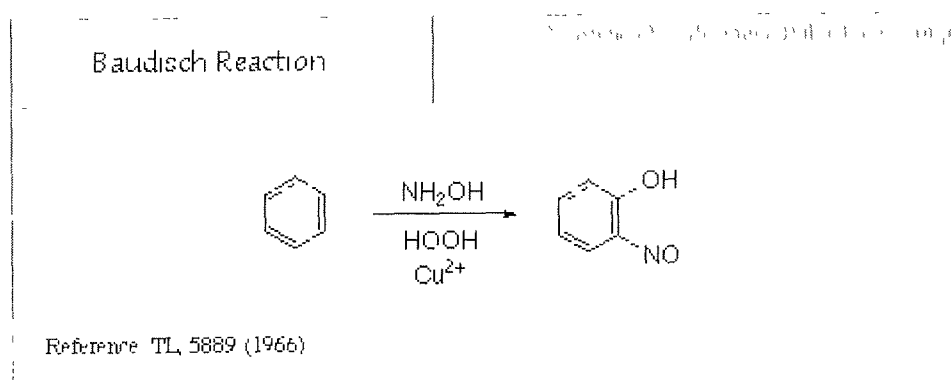
Barton-McCombie Reaction

© 2000 Barton-McCombie (Pam, Bob, & Dan)Reference: Res Chem Interned, **19**, 755 (1993)

Done



Done



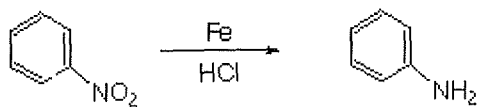
Done

Baylis-Hillman Reaction

Reference *Tetrahedron*, **44**, 4653 (1988)

Done

Bechamp Reduction

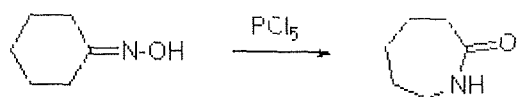


Reference Org. React., 2, 428 (1944)



Done

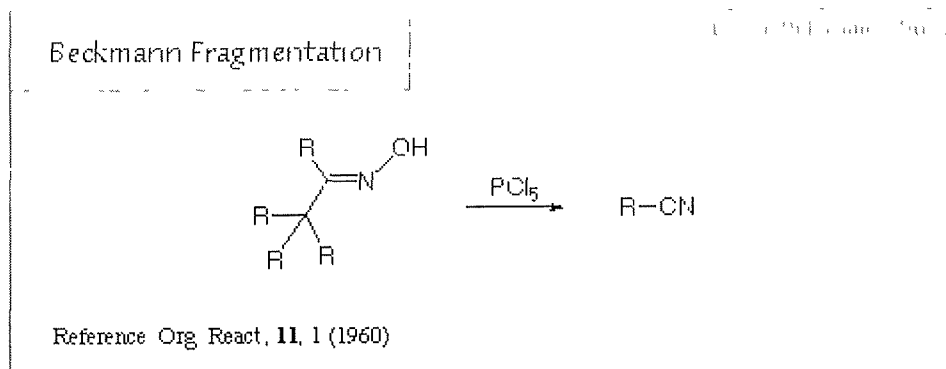
Beckmann Rearrangement



Reference Comp Org Syn, 1, 98 (1991)

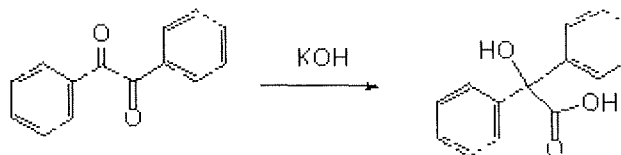


Done



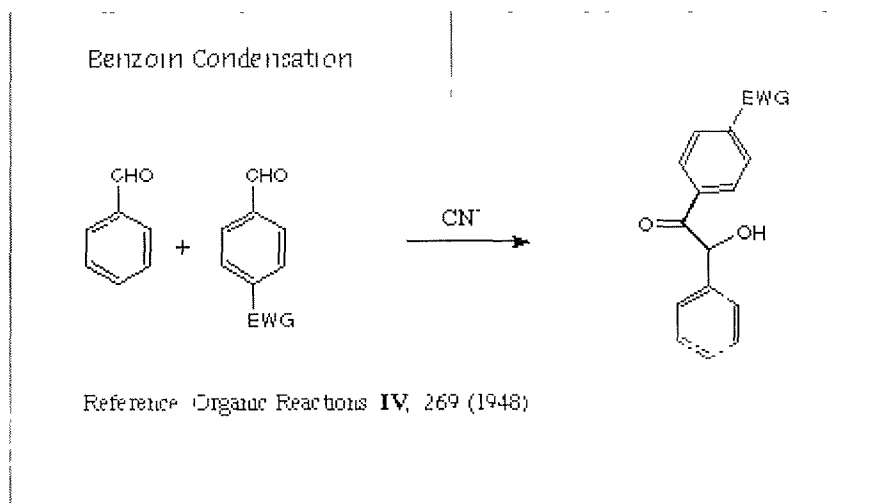
Done

Benzilic Acid Rearrangement

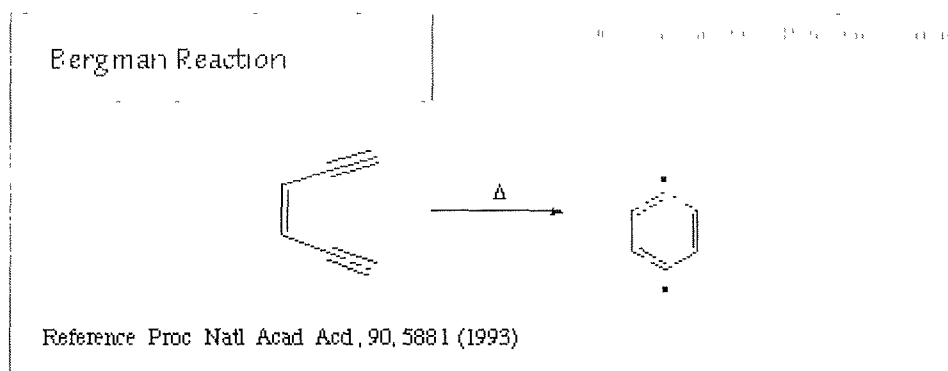


Reference Comp Org Syn, 3, 821 (1991)

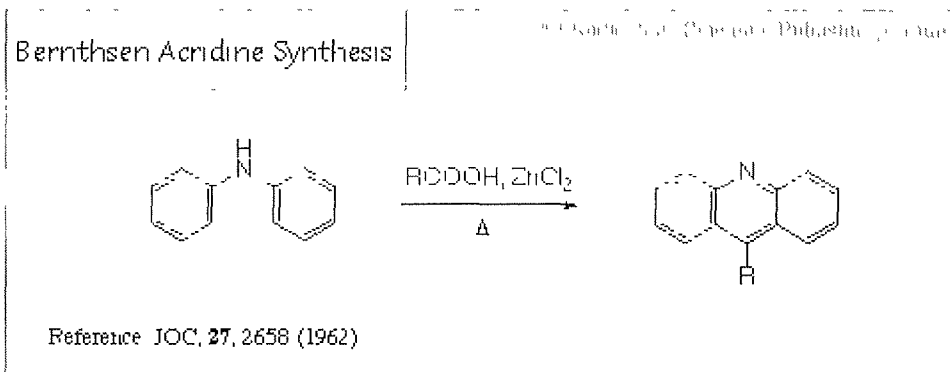

Done



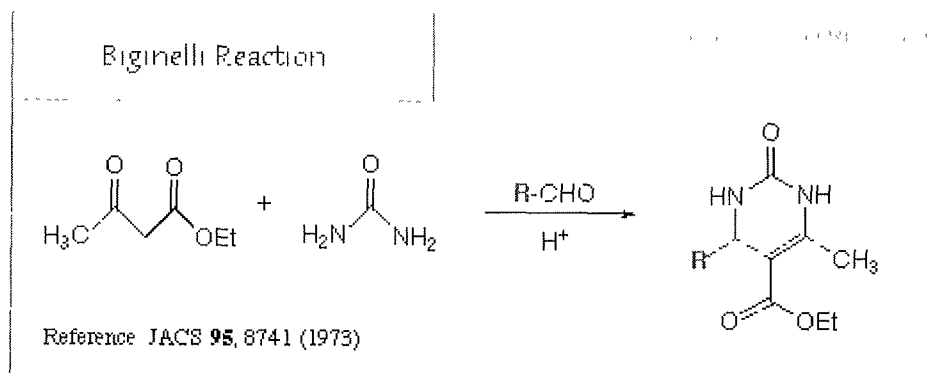
Done



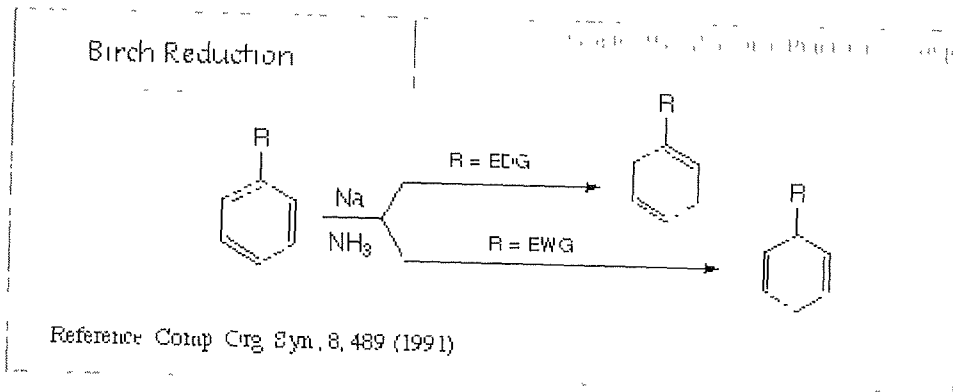
Done



Done

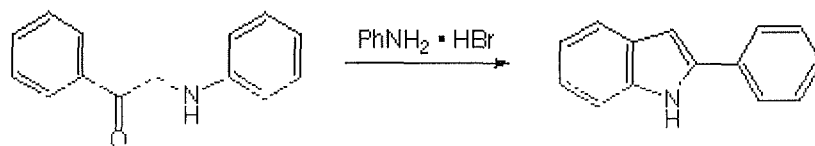


Done



Done

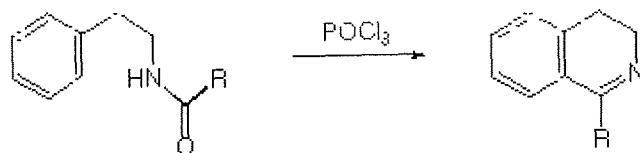
Bishler-Möhlau Indole Synthesis

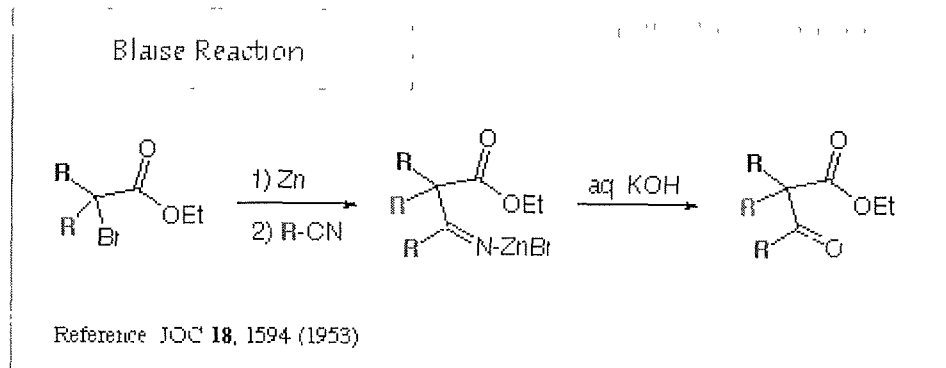


Reference Heterocyclic Compounds 3, 22 (1952)

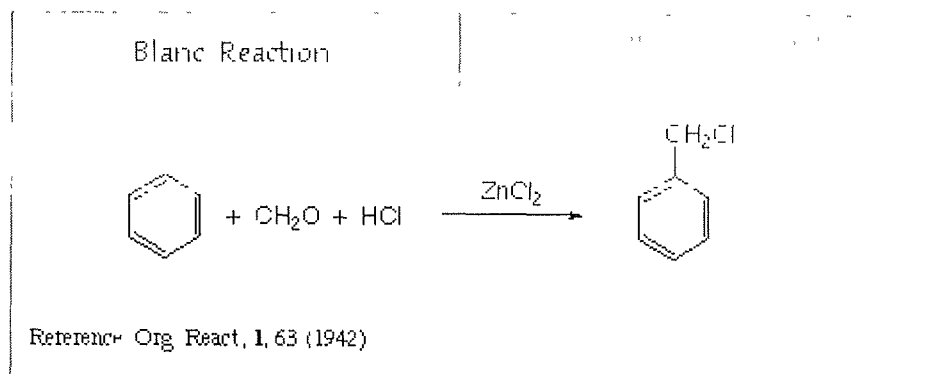
**Done**

Bishler-Napieralski Reaction

Reference *Heterocycles*, **15**, 165 (1981)**Done**

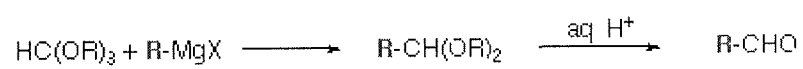


Done



Done

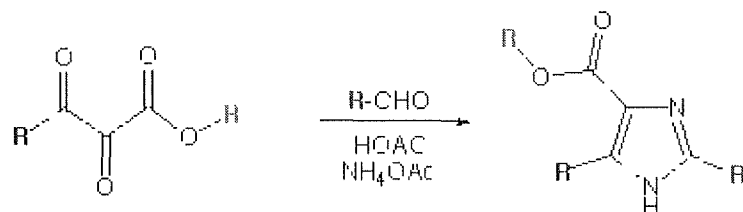
Bodroux-Chichibabin Aldehyde Synthesis

Reference JOC **6**, 489 (1941)

Copyright © 2000 by Custom Synthesis, Inc.

**Done**

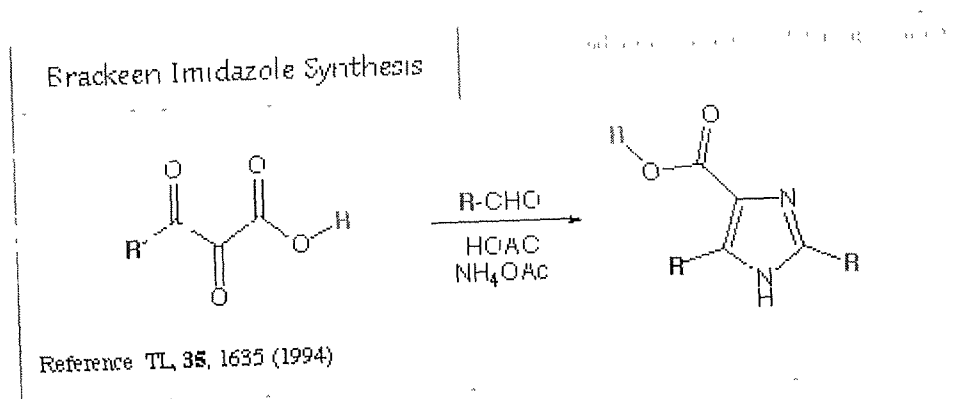
Brackeen Imidazole Synthesis



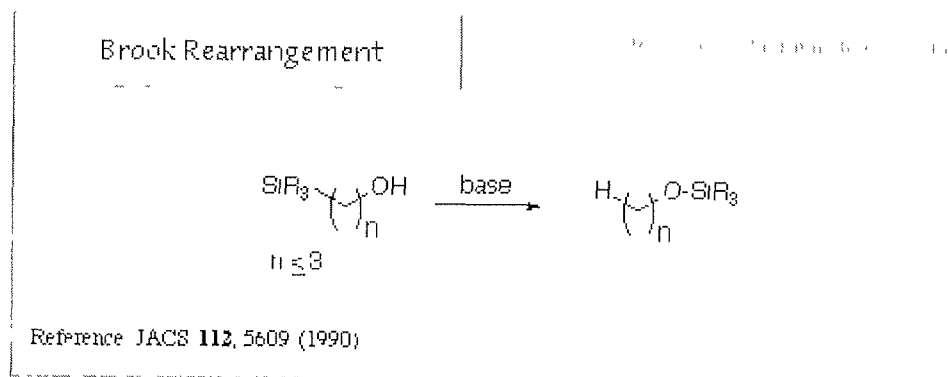
Reference TL, 35, 1635 (1994)



Done

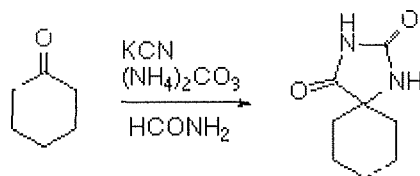


Done

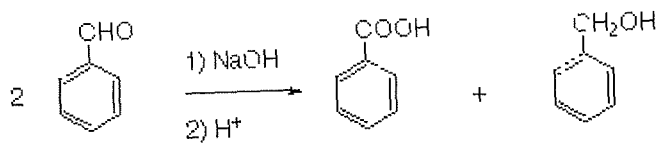


Done

Bucherer-Bergs Reaction

Reference *J Med Chem*, 23, 754 (1980)**Done**

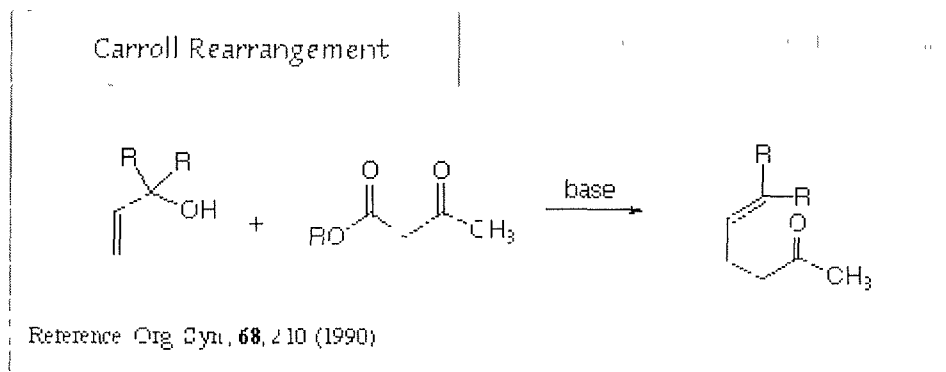
Cannizzaro Reaction



Reference JACS 101, 3576 (1979)

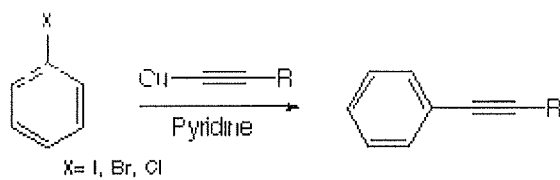


Done

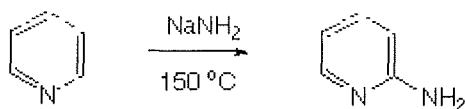


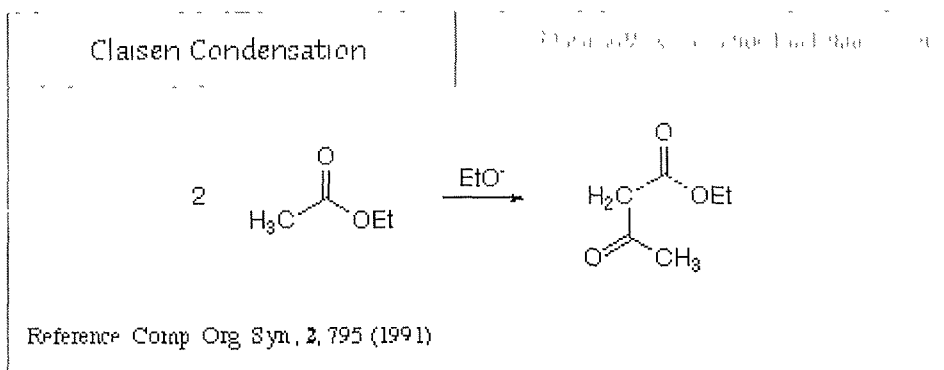
Done

Castro-Stephens Coupling

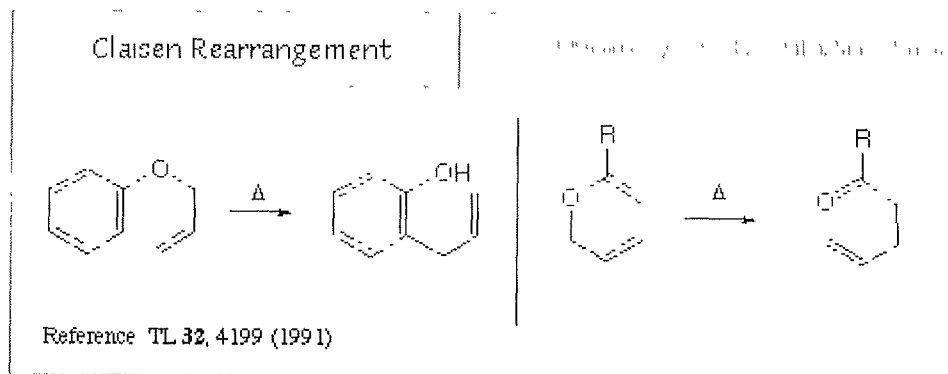
Reference *Org. React.*, **22**, 253 (1975)**Done**

Chichibabin Reaction

Reference: JOC **46**, 2134 (1981)**Done**

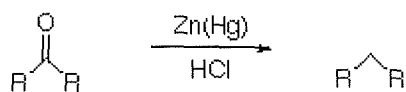


Done



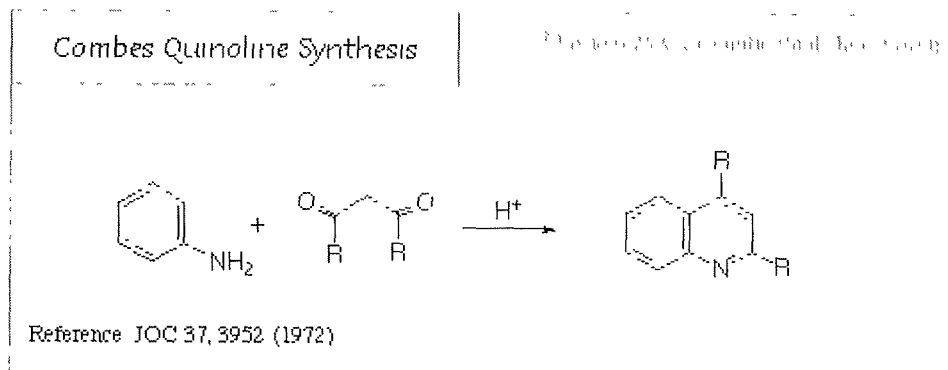
Done

Clemmensen Reduction



Reference Comp Org Syn, 8, 309 (1991)

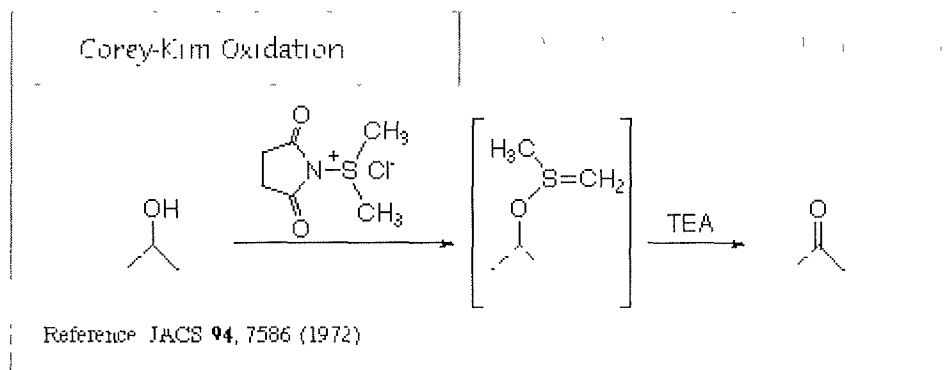
**Done**



Done

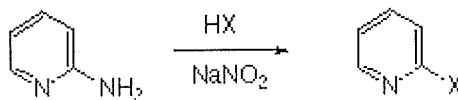
Cope Elimination

Reference *Org React*, 11, 317 (1960)**Done**



Done

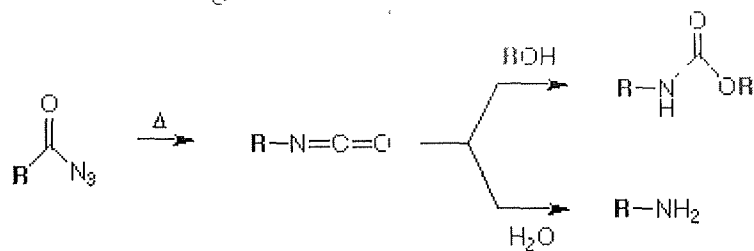
Craig Method



Reference: Heterocyclic Compounds I, 555 (1950)

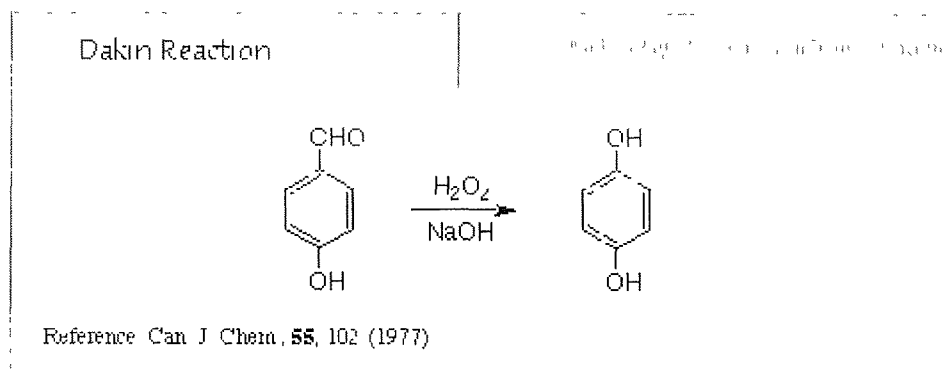
**Done**

Curtius Rearrangement

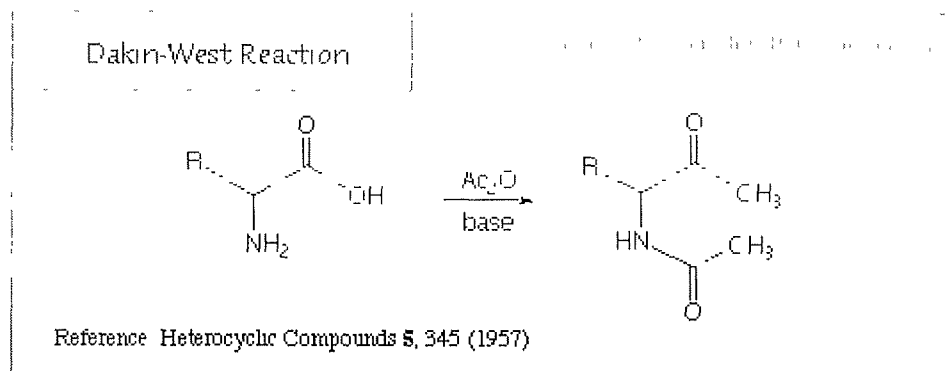


Reference Comp Org Syn, 6, 795 (1991)

**Done**

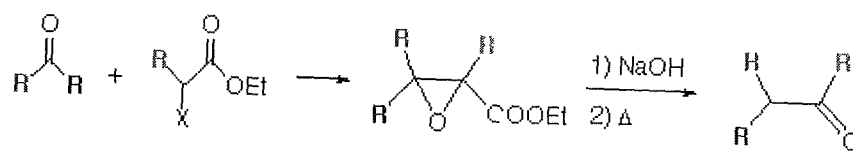


Done



Done

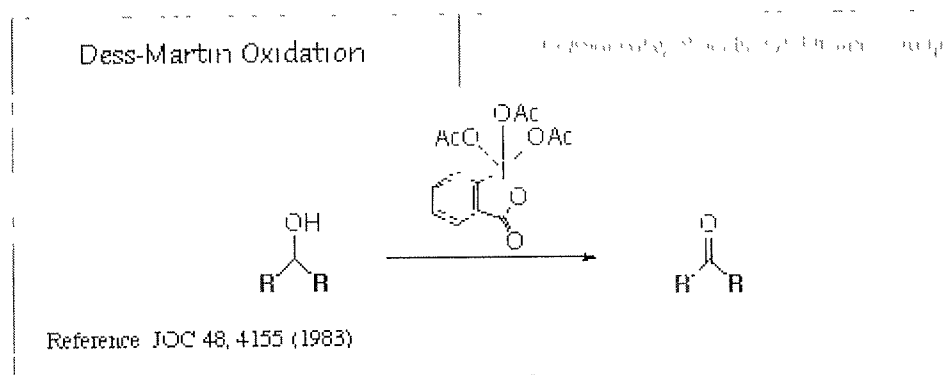
Darzens Condensation



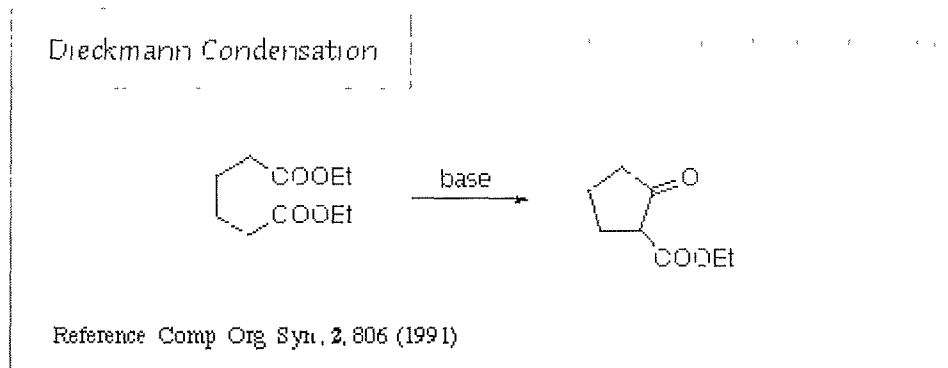
Reference Comp Org Syn, 2, 409 (1991)



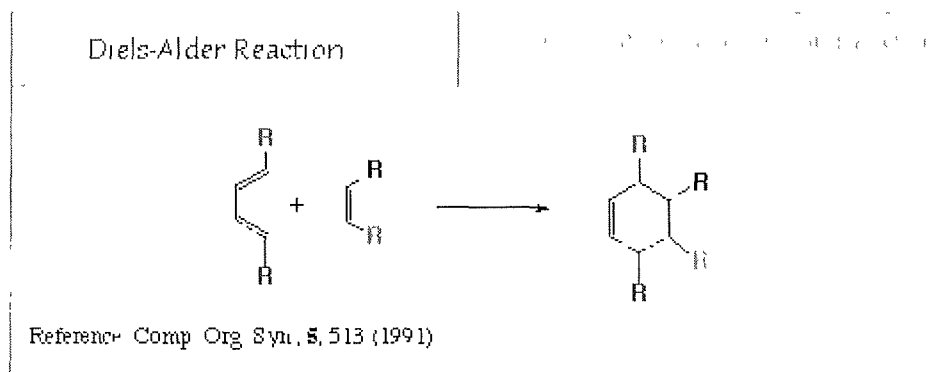
Done



Done

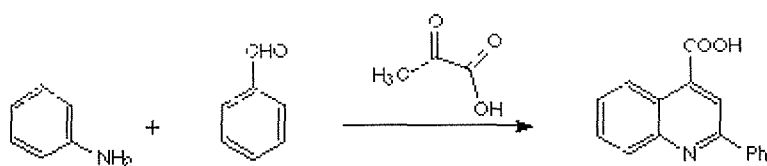


Done



Done

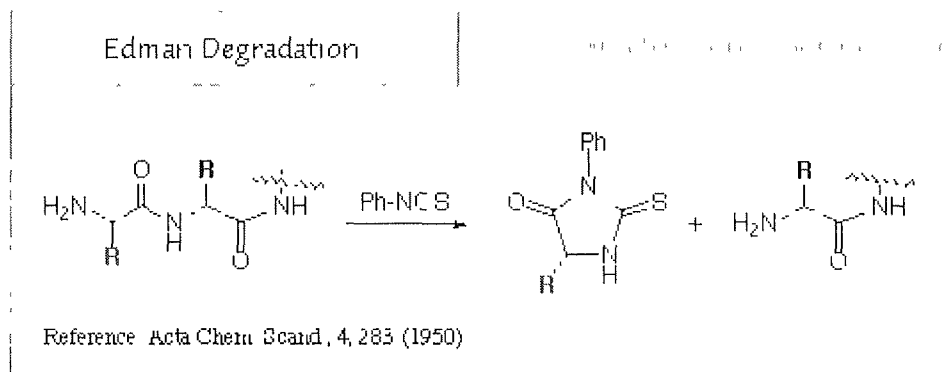
Doebner Reaction



Reference Aust J Chem., 31, 863 (1978)

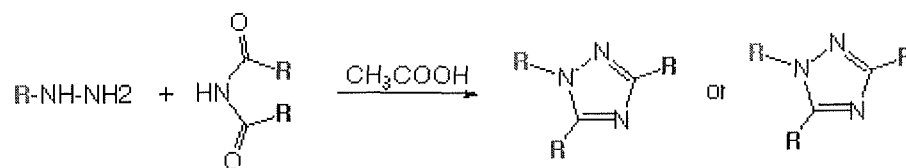


Done

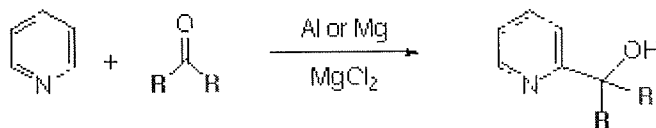


Done

Einhorn-Brunner Reaction

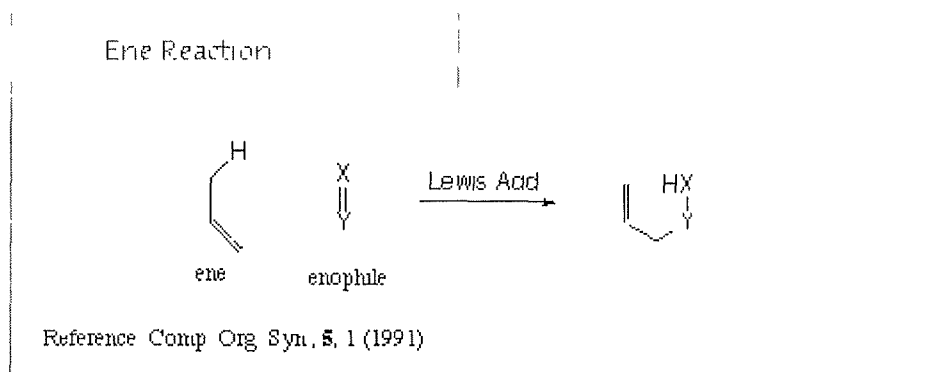
Reference *Synthetic Methods* 9, No 449 (1955)**Done**

Emmert Reaction

$$C_5H_5N + R_2C=O \xrightarrow[MgCl_2]{Al\ or\ Mg} C_5H_4N-C(OH)(R)_2$$


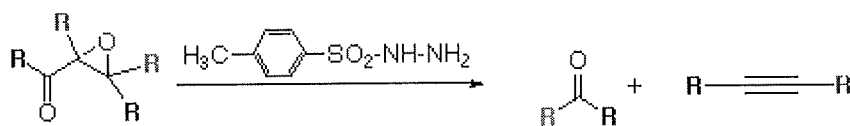
Reference JCS [C], 2:104 (1969)

**Done**



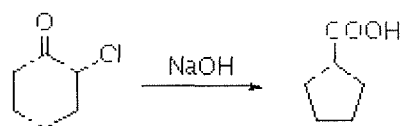
Done

Eschenmoser Fragmentation

Reference: JOC **58**, 1900 (1993)

Done

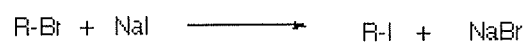
Favorskii Rearrangement

Reference: *Org. React.*, **11**, 261 (1960)**Done**

Feist-Benary Synthesis

Reference: *JOC* **45**, 1524 (1980)**Done**

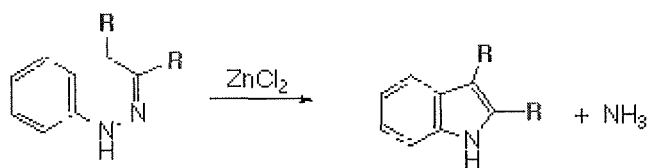
Finkelstein Reaction



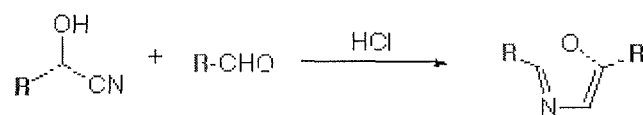
Reference: TL 22, 2055 (1981)

**Done**

Fischer Indole Synthesis

Reference *Accs. Chem Res*, **14**, 275 (1981)**Done**

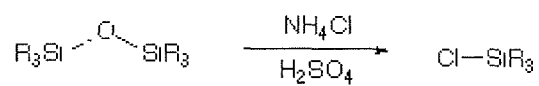
Fischer Oxazole Synthesis



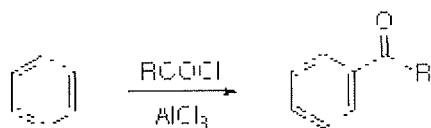
Reference TL 4391 (1971)

**Done**

Flood Reaction

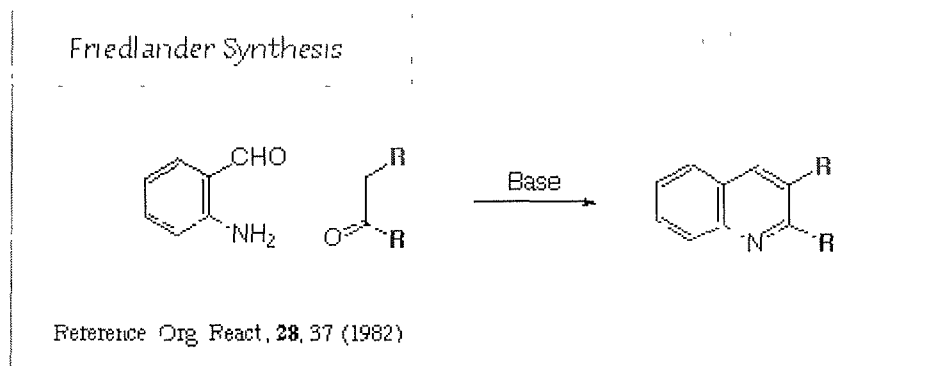
Reference: *Top. Curr. Chem.*, **88**, 33 (1980)**Done**

Friedel-Crafts Acylation Reaction

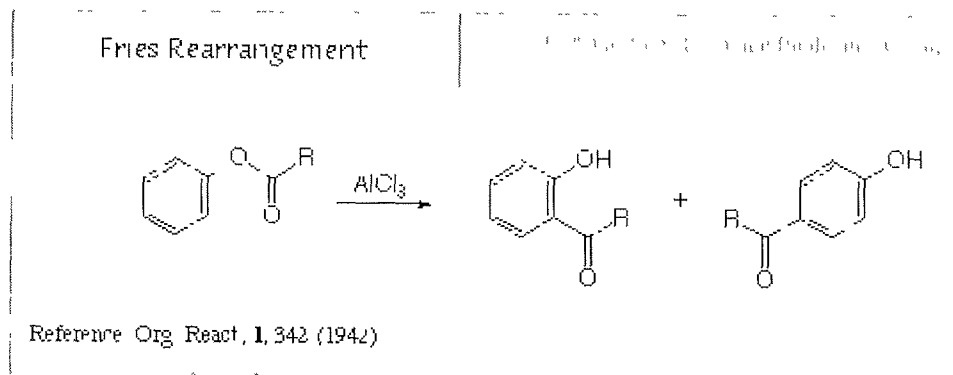


Reference: Comp Org. Syn., 2, 753 (1991)

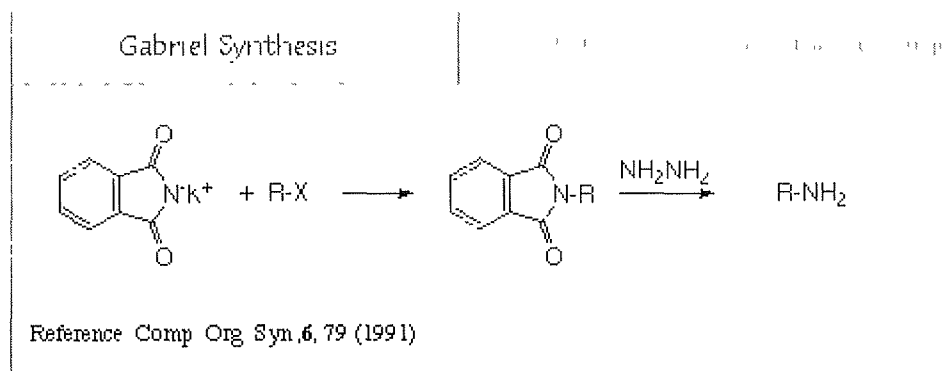
**Done**



Done



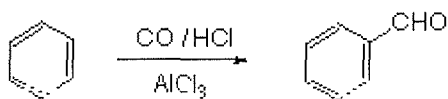
Done



Done

✓

Gattermann-Koch Reaction



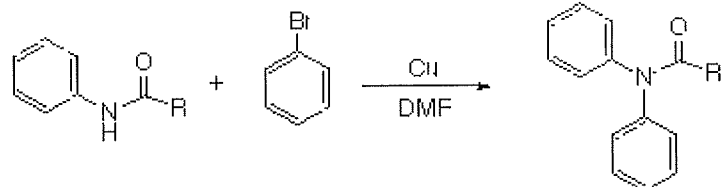
Addition of Cu_2Cl_2 allows reaction to proceed at 1 ATM

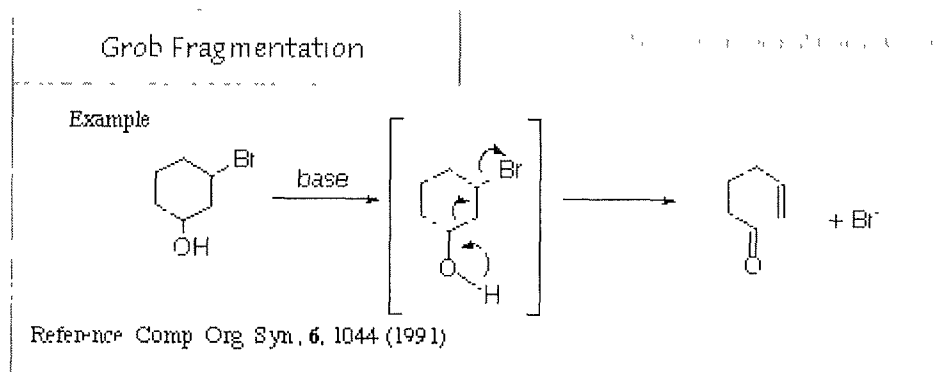
Reference *J Organometal Chem*, **194**, 221 (1980)



Done

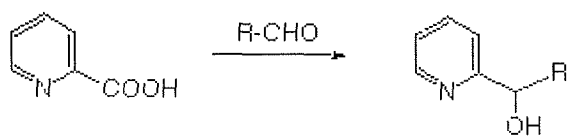
Goldberg Reaction

Reference: *Org. React.*, **14**, 19 (1965)**Done**



Done

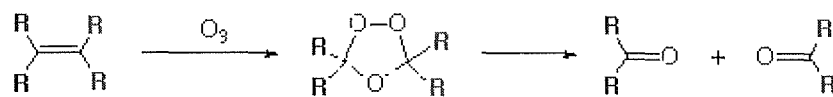
Hammick Reaction

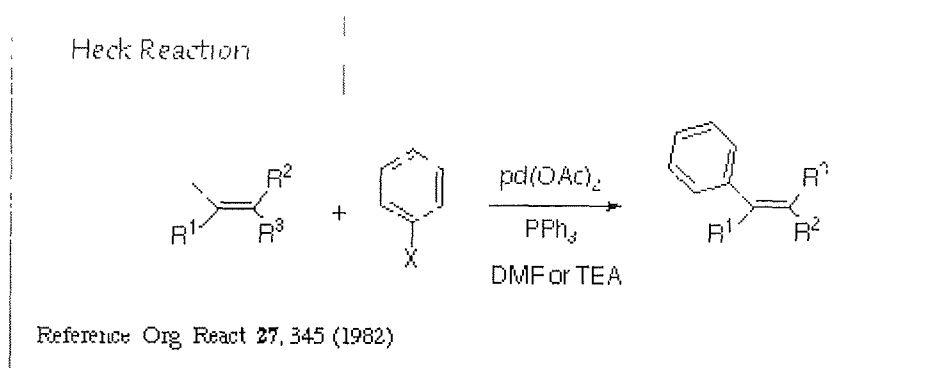


Reference JOC 36, 2002 (1971)

**Done**

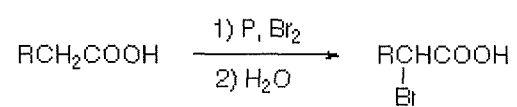
Harries Ozonide Reaction

Reference: *Accts Chem Res*, **1**, 313 (1968)**Done**

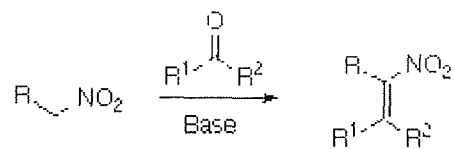


Done

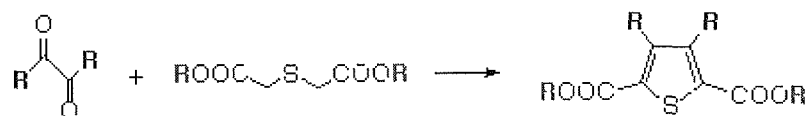
Hell-Volhard-Zelinsky Reaction

Reference: JACS **91**, 7098 (1969)**Done**

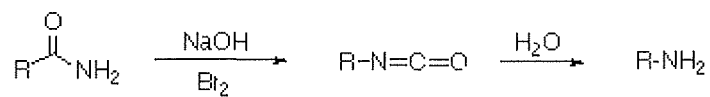
Henry Reaction

Reference: *Comp Org Syn* **2**, 321 (1991)**Done**

Hinsberg Thiophene Synthesis

Reference: JACS **87**, 1739 (1965)**Done**

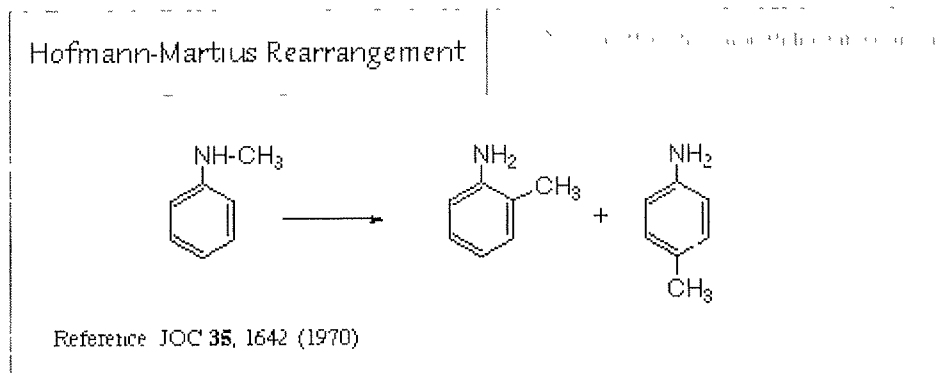
Hofmann Reaction



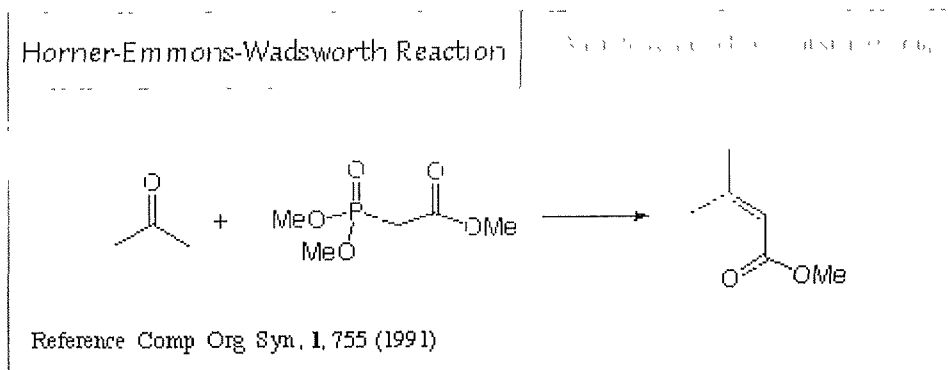
Reference Comp Org Syn, 6, 800 (1991)



Done

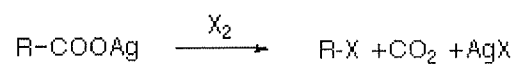


Done



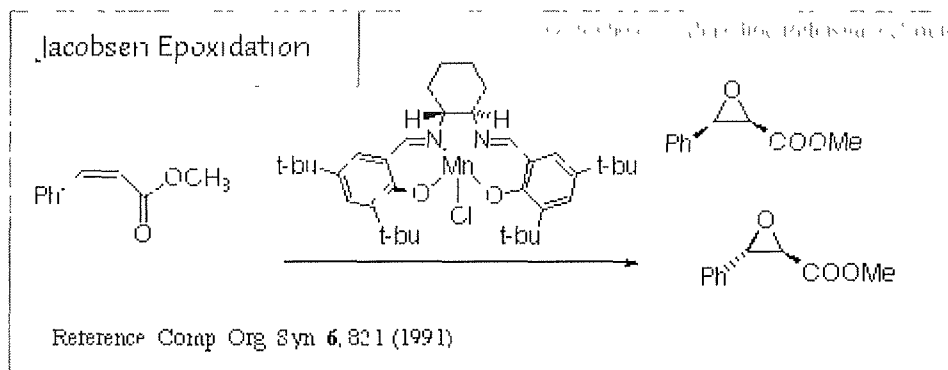
Done

Hunsdiecker Reaction

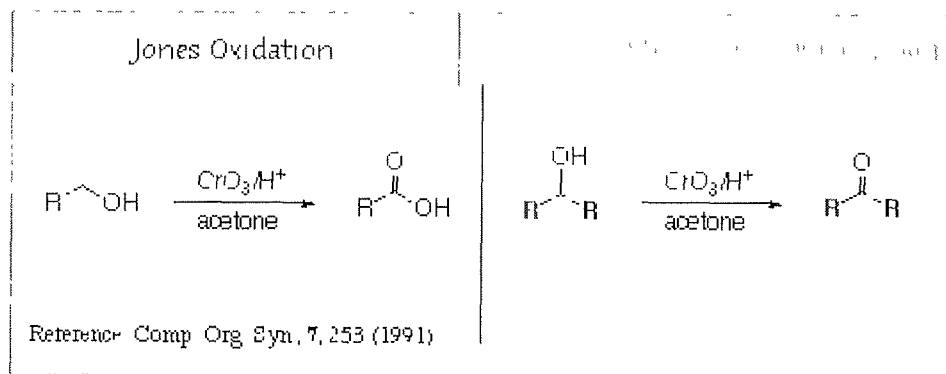


Reference: IOC 44, 3405 (1979)

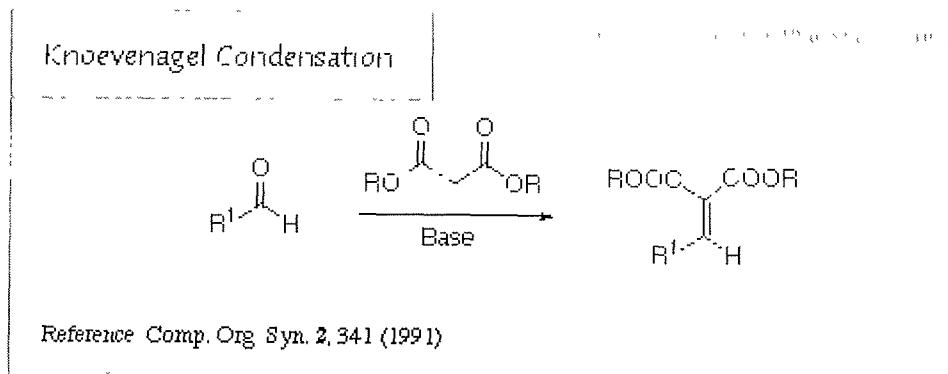
**Done**



Done

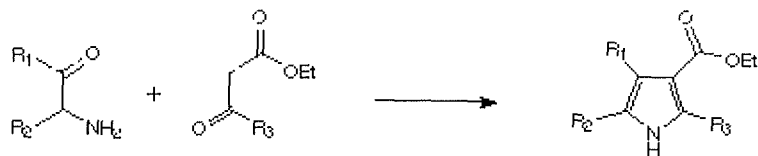


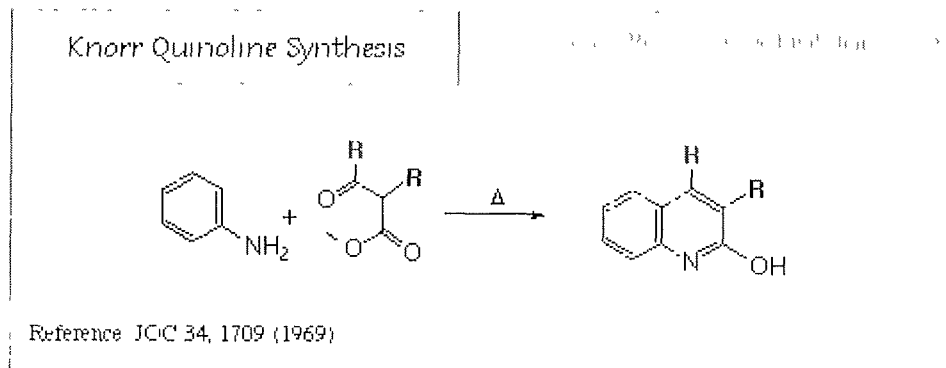
Done



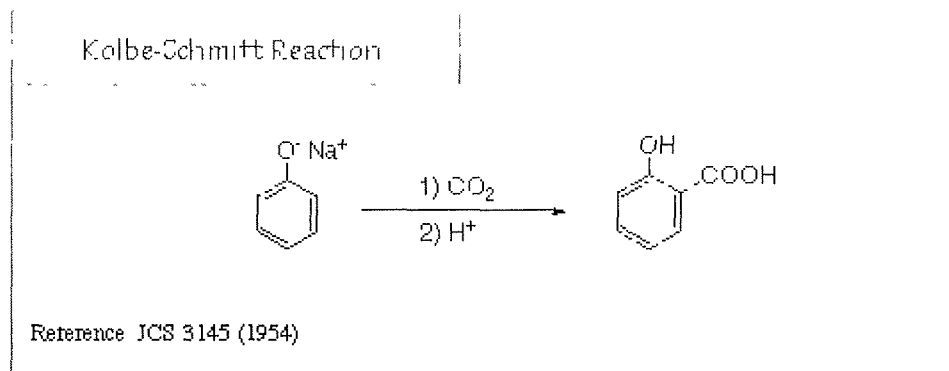
Done

Knorr Pyrrole Synthesis

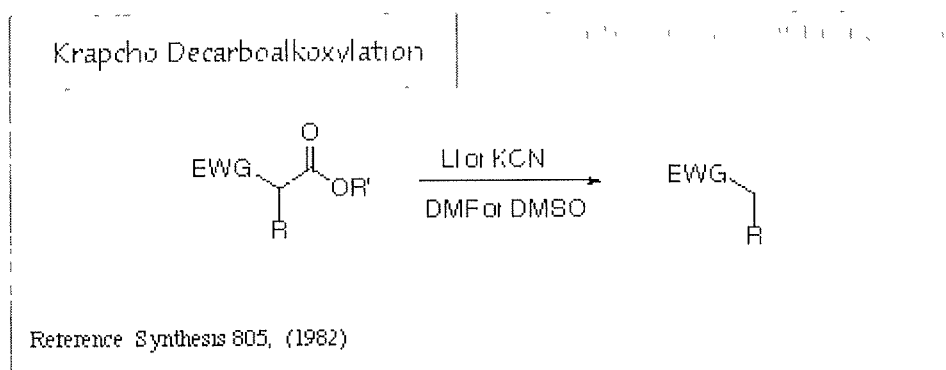
Reference: *IOC* 36, 853 (1971)**Done**



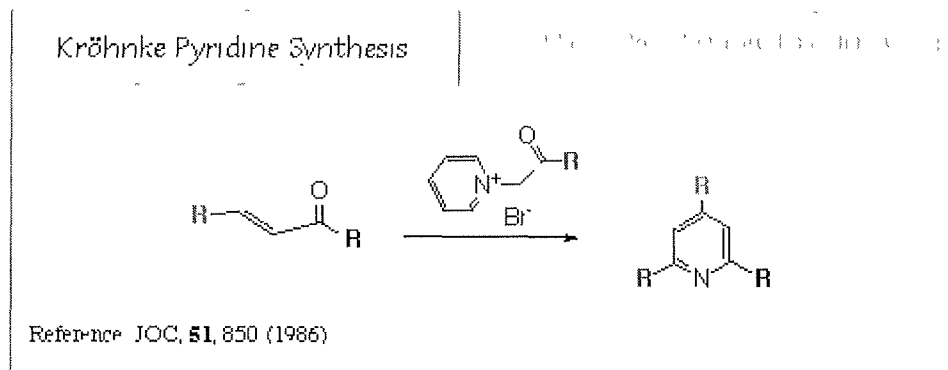
Done



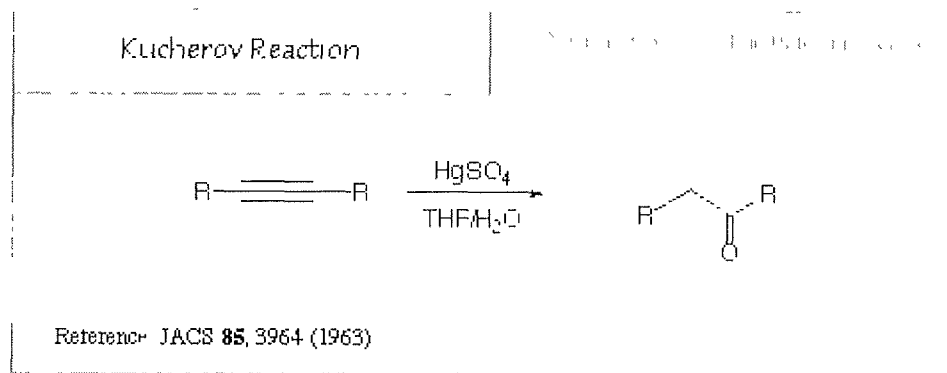
Done



Done

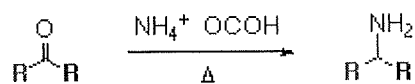


Done



Done

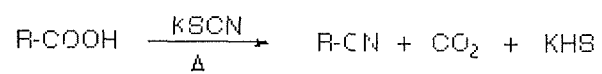
Leuckart Reaction



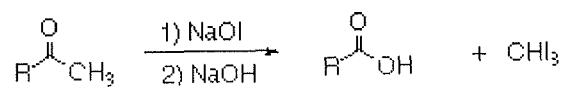
Reference: JOC 33, 1647 (1968)

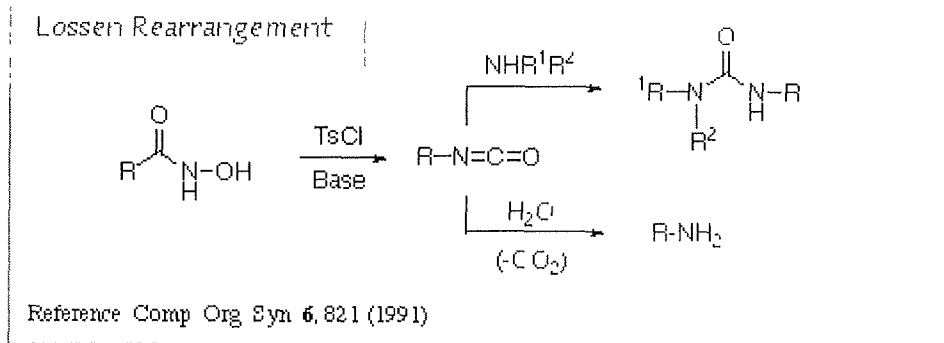
**Done**

Letts Nitrile Synthesis

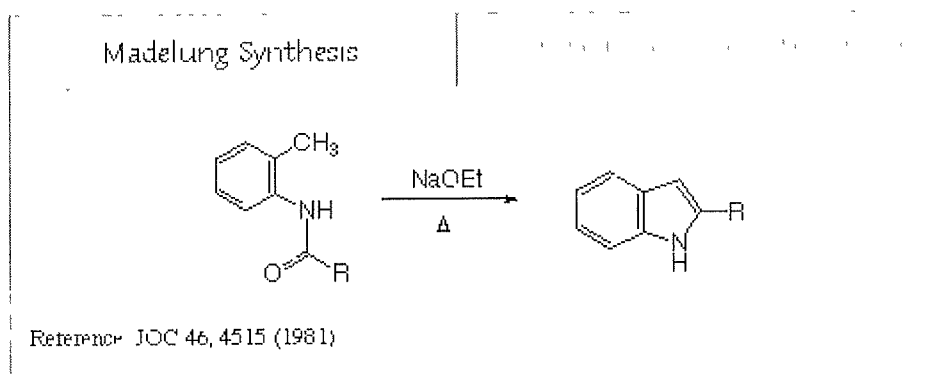
Reference Chem Rev, **42**, 264 (1948)**Done**

Lieben Iodoform Reaction

Reference J Chem Ed, **36**, 572 (1959)**Done**

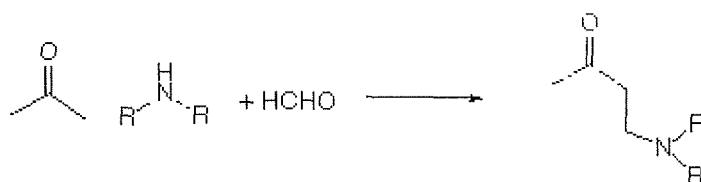


Done



Done

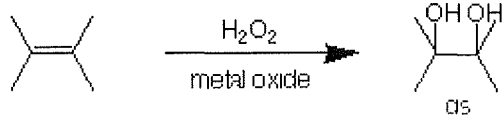
Mannich Reaction



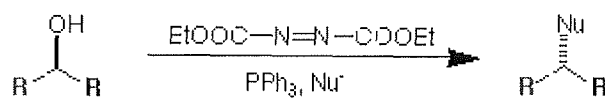
Reference Comp Org Syn, 2, 893 (1991)

**Done**

Milas Hydroxylation

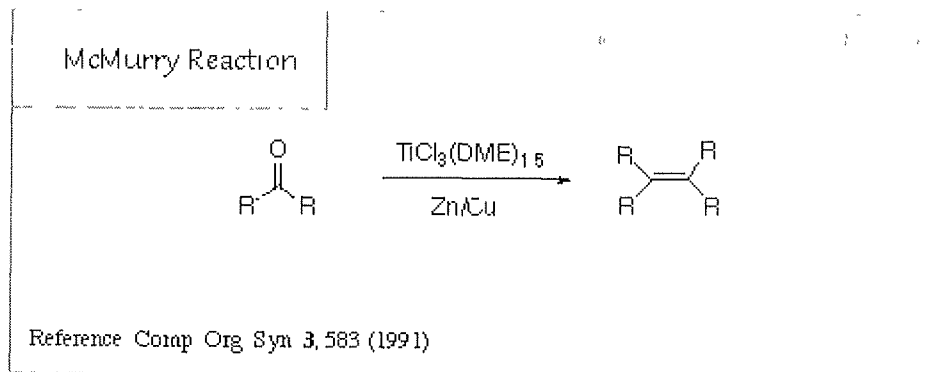
Reference JACS **62**, 1841 (1940)**Done**

Mitsunobu Reaction



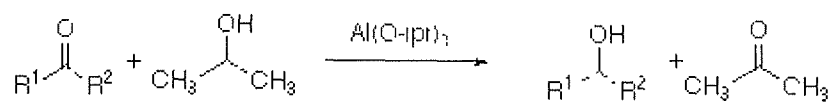
Reference: Org. React., 42, 335 (1992)

**Done**



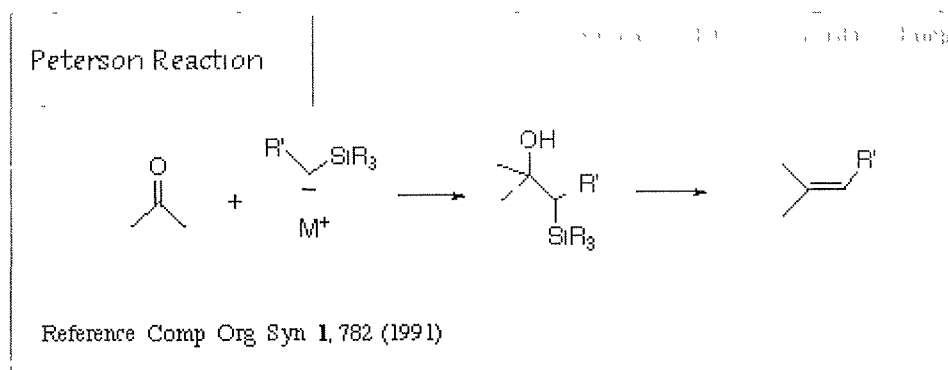
Done

Meerwein-Ponndorf-Verley Reduction

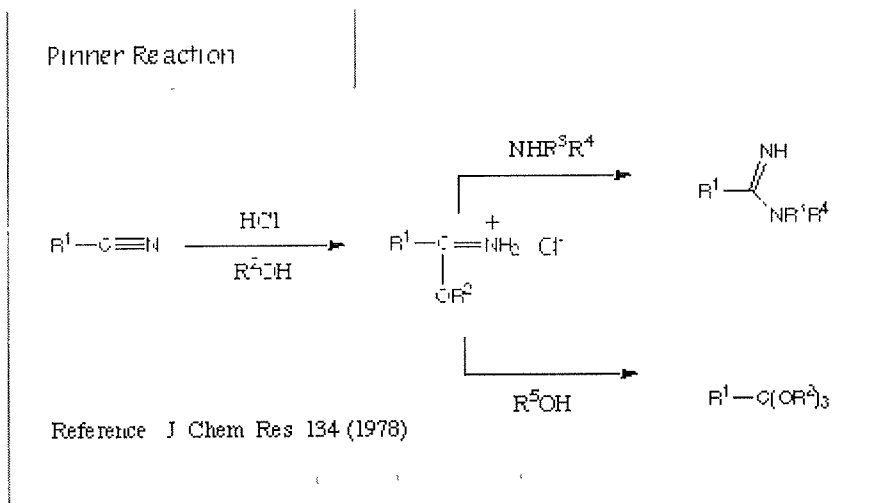


Reference Comp Org Syn 3, 88 (1991)

**Done**

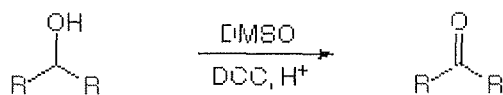


Done



Done

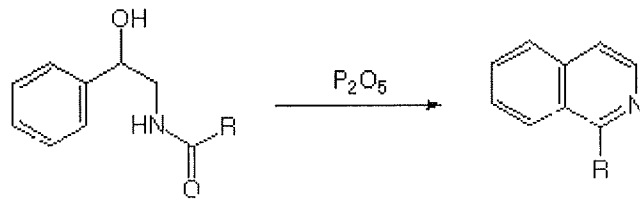
Pfitzner-Moffatt Oxidation



Reference Comp Org Syn, 7, 291 (1991)

**Done**

Pictet-Gams Isoquinoline Synthesis

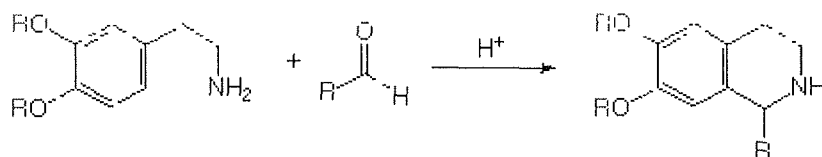


Reference: Perkin Trans I, 539 (1979)



Done

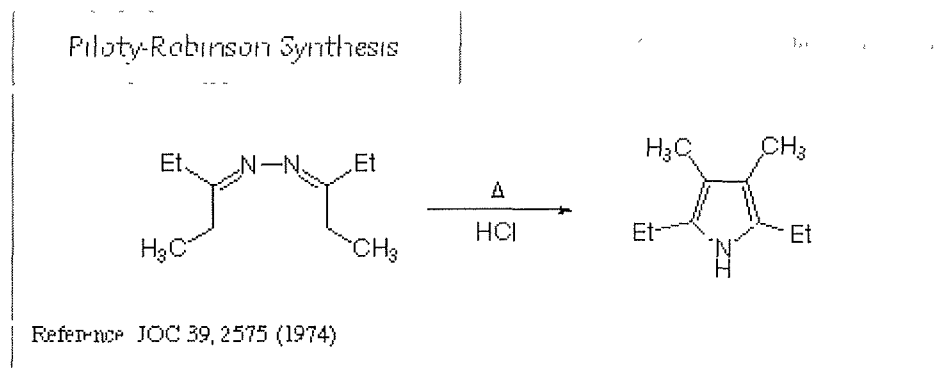
Pictet-Spengler Isoquinoline Synthesis



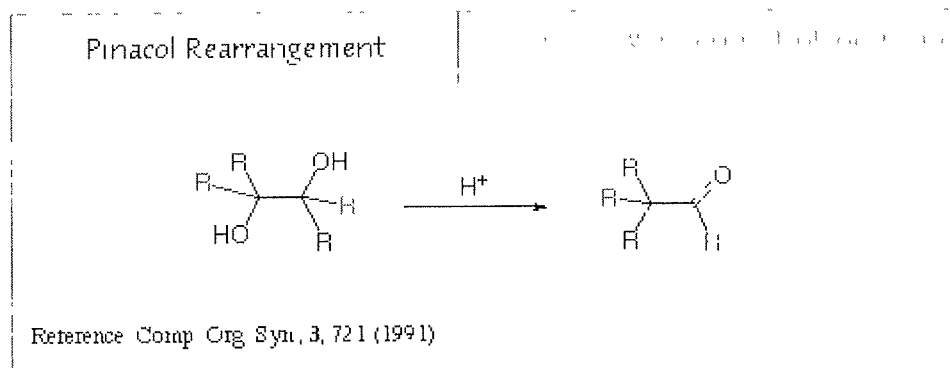
Reference Heterocycles 39, 903 (1994)



Done

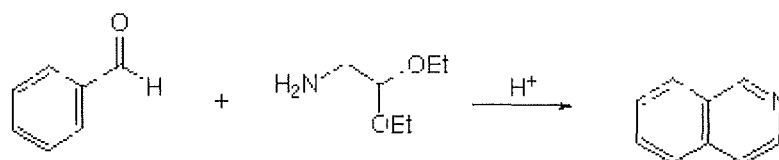


Done



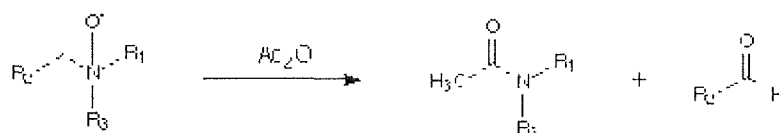
Done

Pomeranz-Fritsch Reaction

Reference *Heterocycles* **25**, 601 (1987)

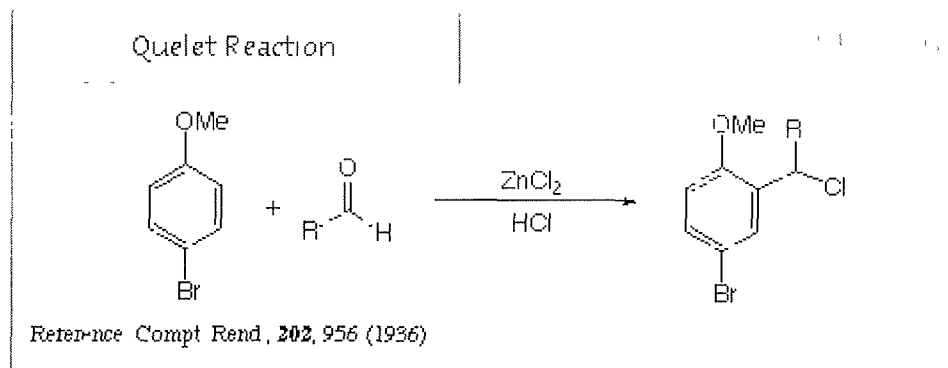
Done

Polonovski Reaction



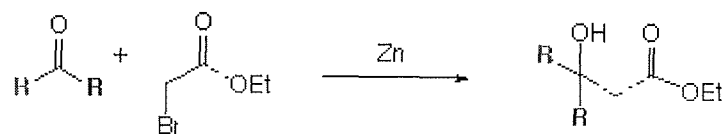
Reference Comp Org Syn 6, 909 (1991)

**Done**



Done

Reformatsky Reaction

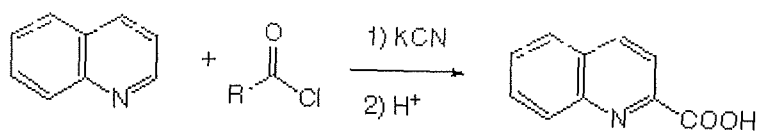


Reference: Comp. Org. Syn., 2, 377 (1991)



Done

Rissert Reaction

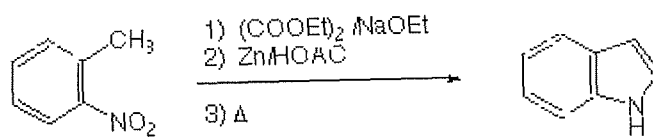


Reference *Advan Heterocyc Chem*, **24**, 187 (1979)



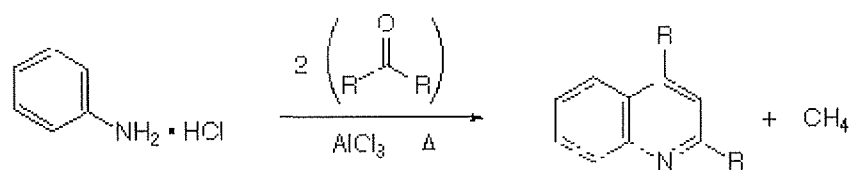
Done

Reisert Indole Synthesis

Reference: *Heterocyclic Compounds* 3, 18 (1962)

Done

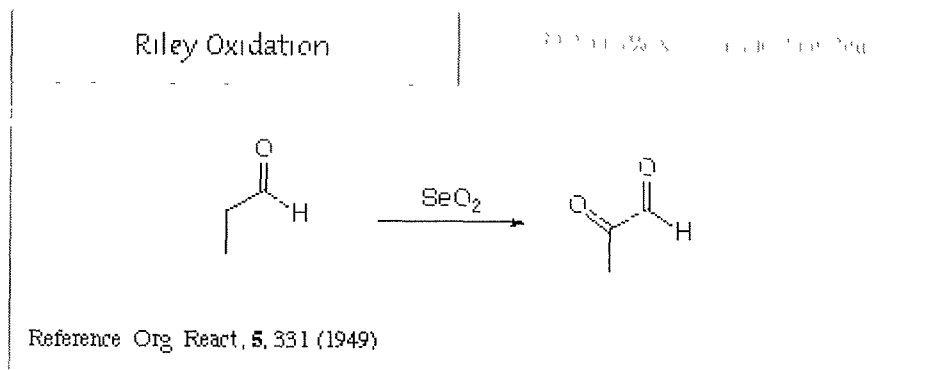
Riehm Quinoline Synthesis



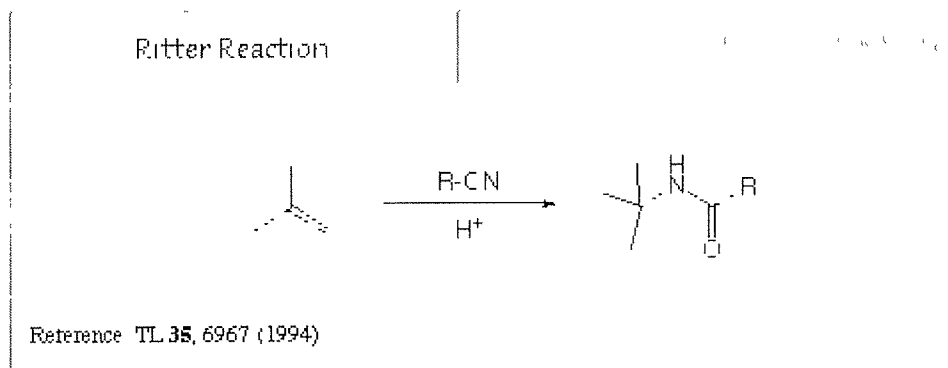
Reference Heterocyclic Compounds 4, 16 (1952)



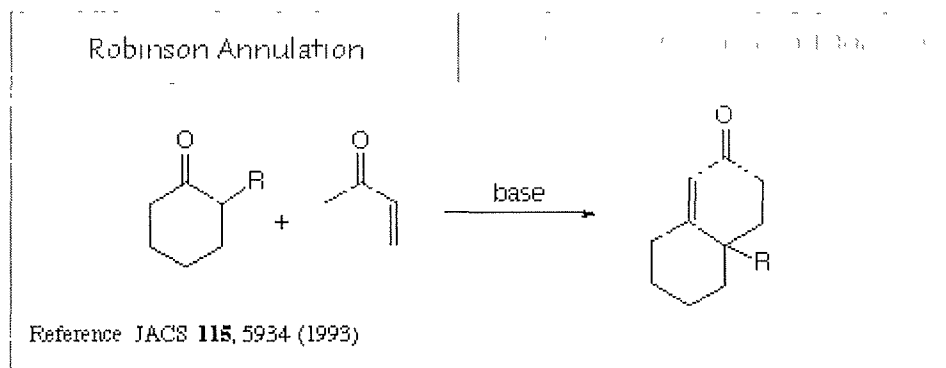
Done



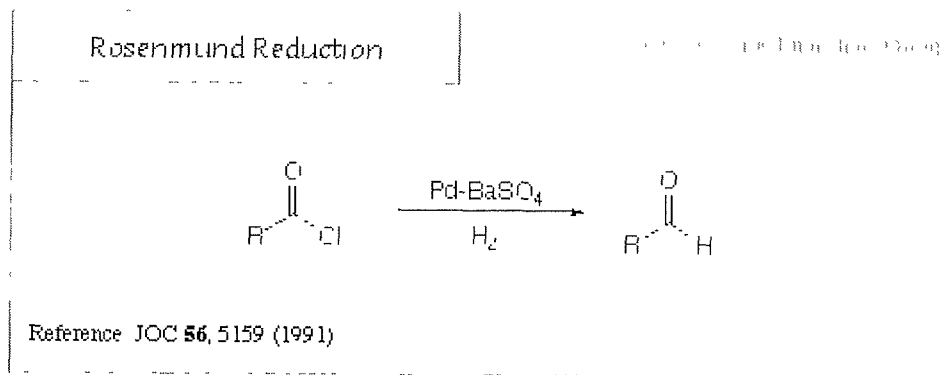
Done



Done

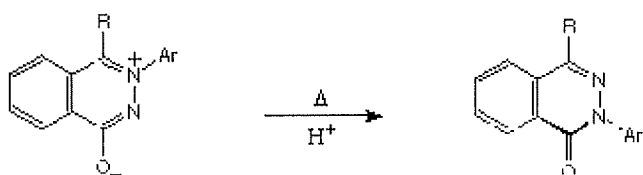


Done



Done

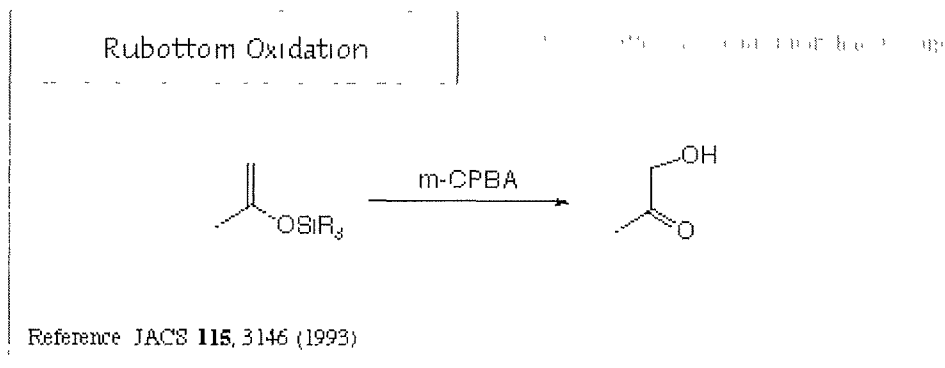
Rowe Rearrangement



Reference JACS 73, 2298 (1951)

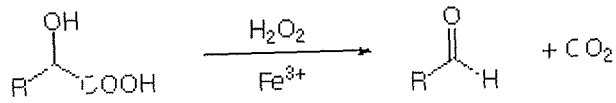
Copyright © 2000 by Custom Synthesis, Inc.

**Done**



Done

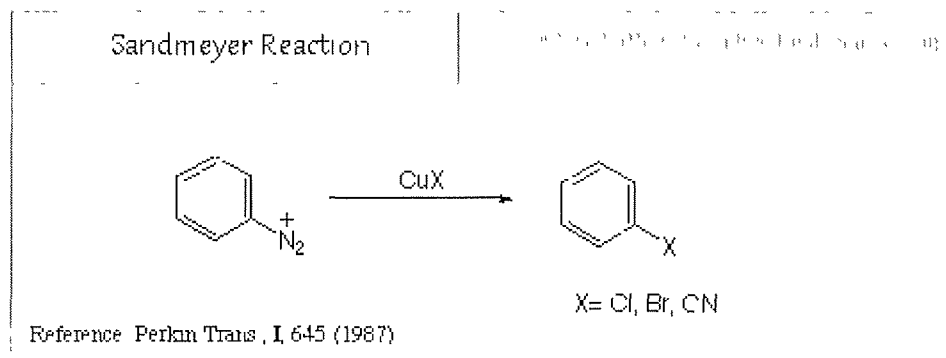
Ruff-Fenton Degradation



Reference Carbohyd Res, **90**, 123 (1981)

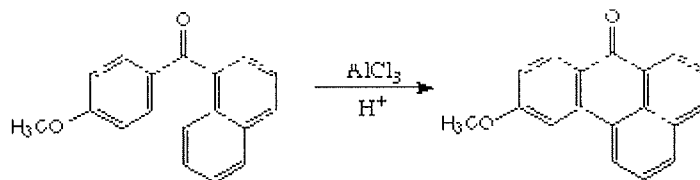


Done

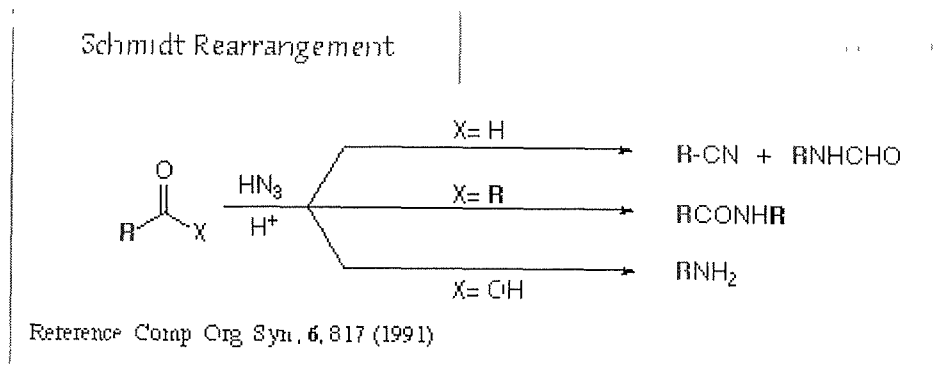


Done

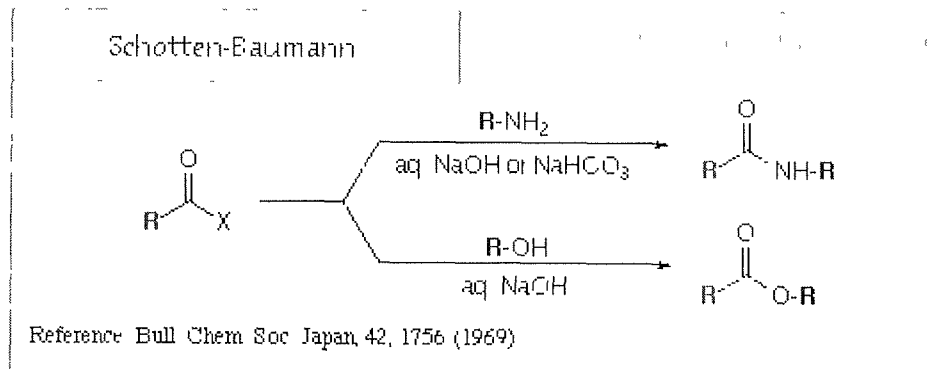
Scholl Reaction

Reference JACS **102**, 5262 (1980)

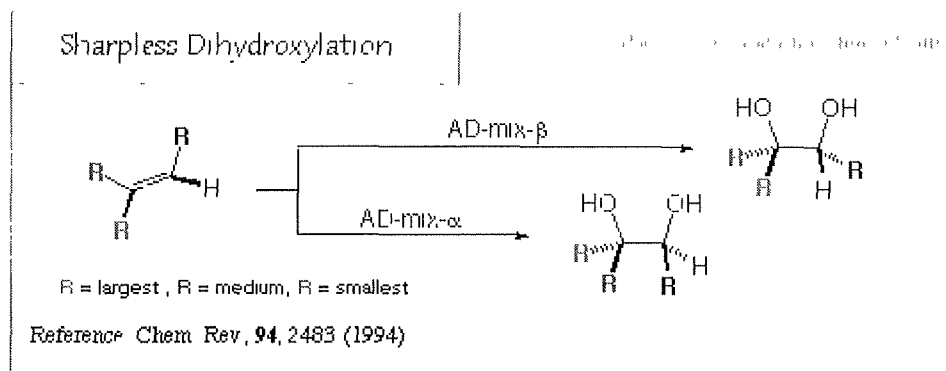
Done



Done

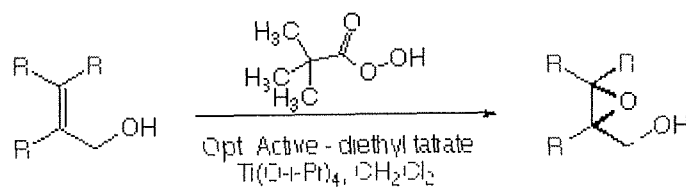


Done



Done

Sharpless Epoxidation

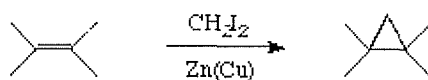


Reference: Comp Org Syn, 7, 389 (1991)

- high enantioselectivity
- predictable absolute stereochemistry

**Done**

Simmons-Smith Reaction

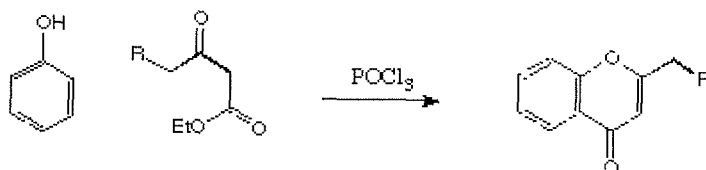


Reference Coll Czech Chem Commun **46**, 2751 (1981)



Done

Simonis Chromone Syn

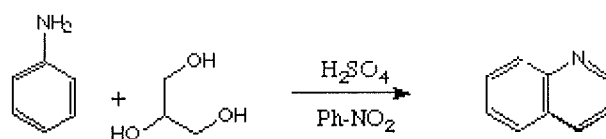


Reference Aust J Chem 25, 1567 (1972)



Done

Skraup Reaction

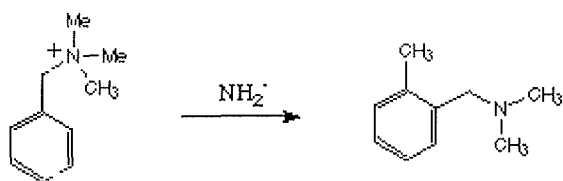


Reference: JCS, Perkin Trans I, **260**, 265 (1972)

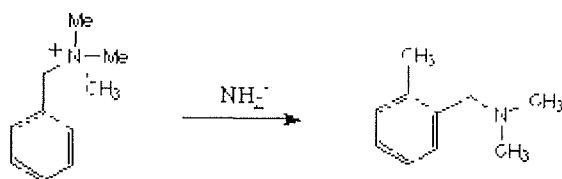


Done

Sommelet-Hauser Rearrangement

Reference: JCC, **57**, 5034 (1992)**Done**

Sommelet-Hauser Rearrangement

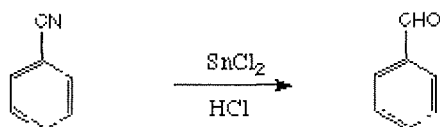


Reference: JCC, 57, 5034 (1992)



Done

Stephen Aldehyde Synthesis



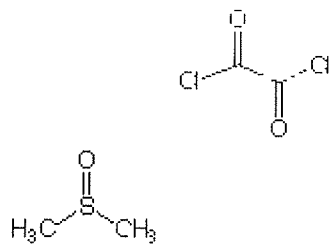
Reference JOC, 37, 318 (1972)

"Oxidation of Nitriles to Aldehydes"

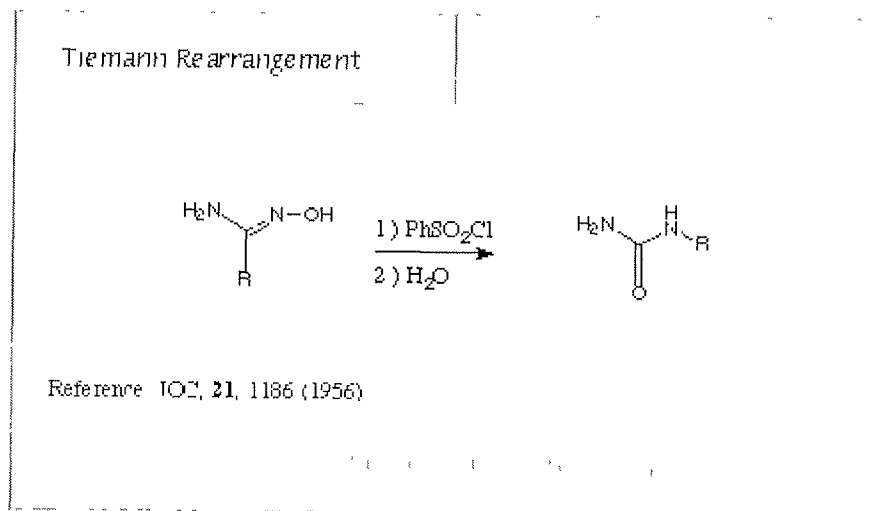
**Done**

Stevens Rearrangement

Reference IACS, **96**, 1547 (1974)**Done**

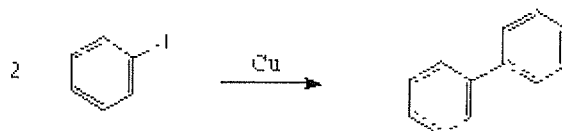


Done

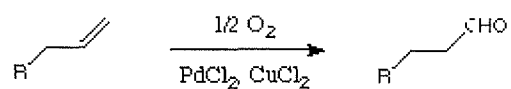


Done

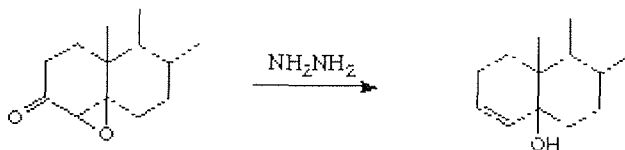
Ullmann Reaction

Reference JACS, **103**, 6460 (1981)**Done**

Wacker Reaction

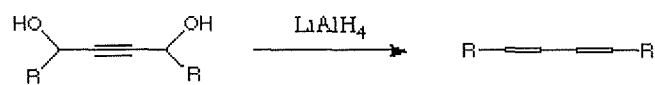
Reference: JACS, **100**, 3407 (1978)**Done**

Wharton Reaction

Reference JOC, **26**, 3615 (1961)

Done

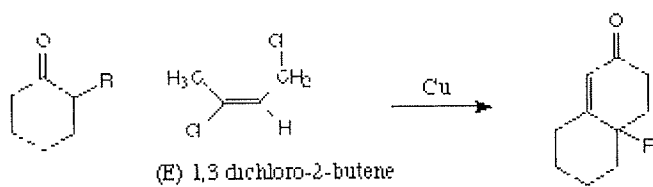
Whiting Reaction

Reference *Helv Chim Acta*, **39**, 454 (1956)

© 2000 by American Chemical Society, Inc.

**Done**

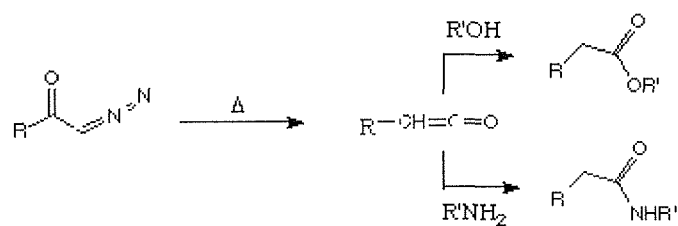
Wichterle Reaction

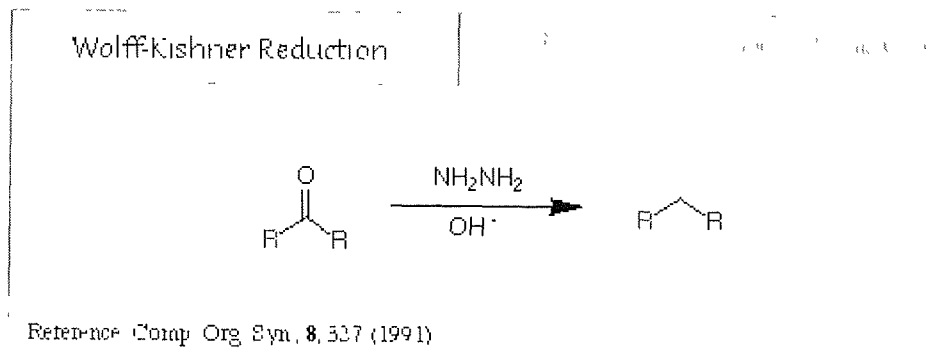


Reference: TL, 3489 (1979)

**Done**

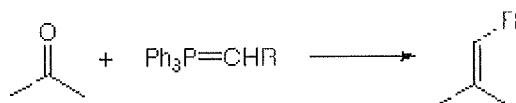
Wolff Rearrangement

Reference *Comp Org Syn*, 3, 887 (1991)**Done**



Done

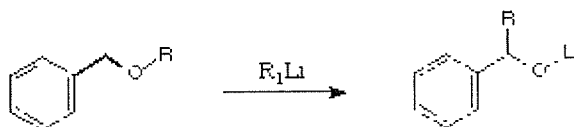
Wittig Reaction



Reference Comp Org Syn, 1, 755 (1991)

**Done**

Wittig Rearrangement

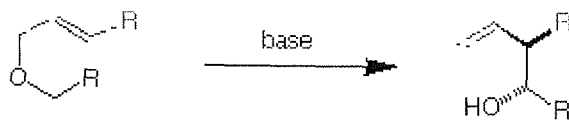


Reference *Angew Chem* **91**, 625 (1979)



Done

2,3 - Wittig Rearrangement



Reference: Comp Org Syn., 3, 975 (1991)

**Done**