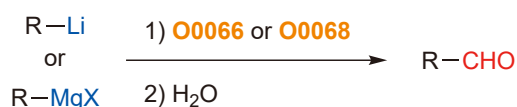
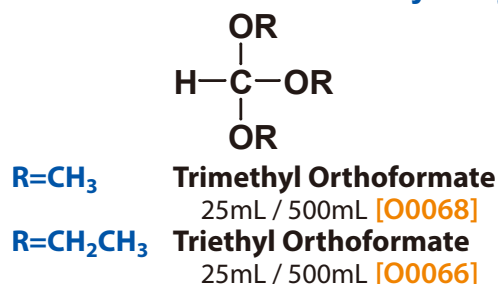


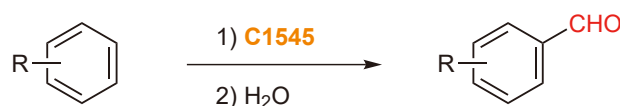
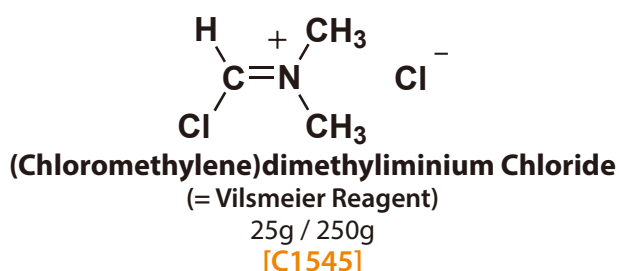
Formylation Reagents

● Bodroux-Chichibabin Aldehyde Synthesis



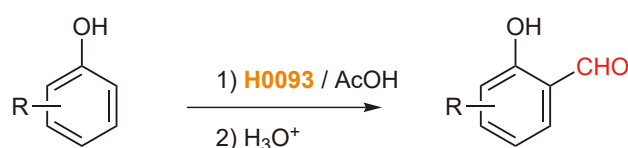
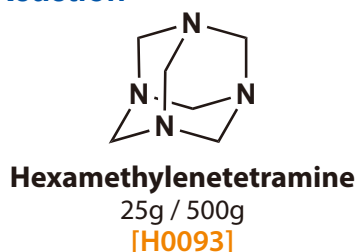
Reference L. I. Smith, J. Nichols, *J. Org. Chem.* **1941**, 06, 489.
<https://doi.org/10.1021/jo01204a003>

● Vilsmeier-Haack Reaction



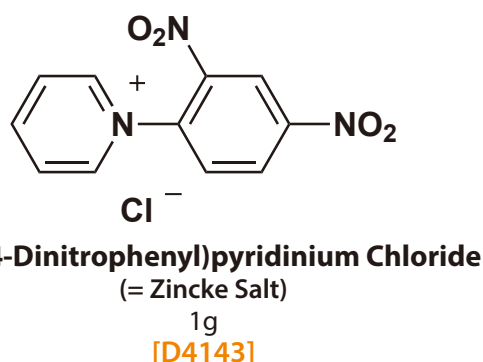
Reference O. Meth-Cohn, S. P. Sanforth, *Comp. Org. Syn.* **1991**, 2, 777.
<https://doi.org/10.1016/B978-0-08-052349-1.00049-4>

● Duff Reaction

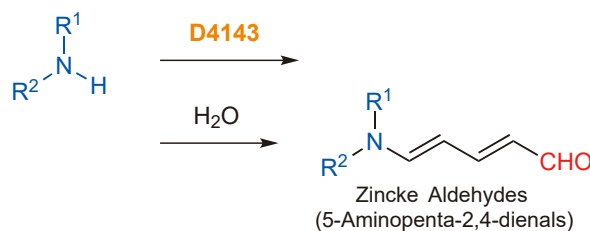


Reference Y. Ogata, A. Kawasaki, F. Sugiura, *Tetrahedron*, **1968**, 24, 5001.
[https://doi.org/10.1016/S0040-4020\(01\)88408-8](https://doi.org/10.1016/S0040-4020(01)88408-8)

● Zincke Aldehyde Synthesis

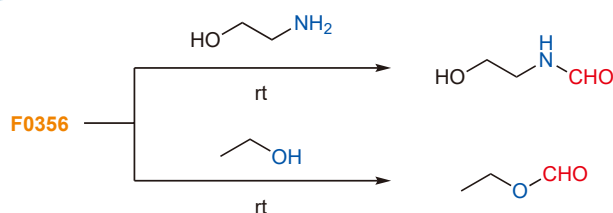
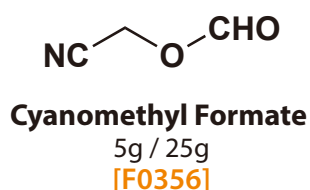


Reaction with Secondary Amines



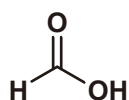
Reference W.-C. Cheng, M. J. Kurth, *Org. Prep. Proced. Int.* **2002**, 34, 585.
<https://doi.org/10.1080/00304940209355784>

● O/N-Formylation

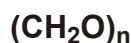


Reference J. Deutsch, H.-J. Niclas, *Synth. Commun.* **1993**, 23, 1561.
<https://doi.org/10.1080/00397919308011251>

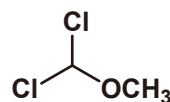
● Other O/N-Formylation and Utility as a CO Source



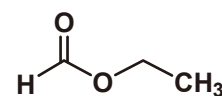
Formic Acid
300mL
[F0513]



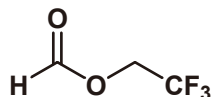
Paraformaldehyde
25g / 500g
[P0018]



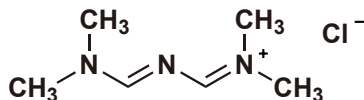
Dichloromethyl Methyl Ether
25g / 250g
[D1645]



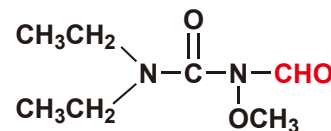
Ethyl Formate
25mL / 500mL
[F0053]



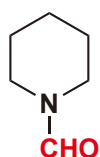
2,2,2-Trifluoroethyl Formate
1g / 5g
[T2586]



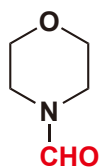
Gold's Reagent
5g / 25g
[G0393]



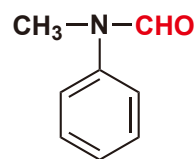
N-(Diethylcarbamoyl)-N-methoxyformamide
1g
[D2344]



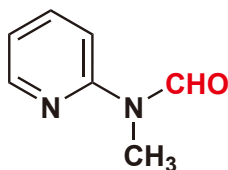
1-Formylpiperidine
25mL / 100mL / 500mL
[F0234]



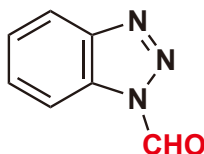
4-Formylmorpholine
25g / 500g
[F0157]



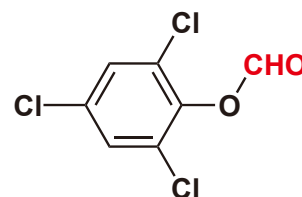
N-Methylformanilide
25g / 100g / 500g
[M0552]



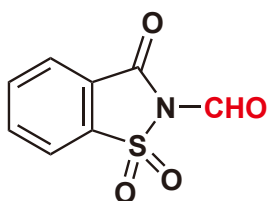
N-Methyl-N-(2-pyridyl)-formamide
1g / 5g
[M1187]



1H-Benzotriazole-1-carboxaldehyde
1g / 5g
[B3920]

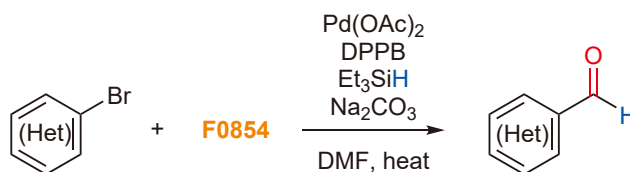


2,4,6-Trichlorophenyl Formate
1g / 5g
[T3121]



N-Formylsaccharin
5g / 25g
[F0854]

Palladium-Catalyzed Reductive Carbonylation of Aryl Bromides as a CO Source



Reference T. Ueda, H. Konishi, K. Manabe, *Angew. Chem. Int. Ed.* **2013**, 52, 8611.
<https://doi.org/10.1002/anie.201303926>

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