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| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  | | --- | | https://askcos.mit.edu/api/v2/draw/?smiles=C%3DCCCCC(%3DC)C(%3DNN(C)C)C(C%3DC)(CC)CO%3E%3EC%3DCCCCC(%3DC)C(%3DNN(C)C)C(CC)(CO)CC%3DO | | | **#** |  | **Reagents** | **Catalyst** | **Solvents** |  | **Temperature** |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1a |  | O=C(OO)c1cccc(Cl)c1 | Cc1ccc(S(=O)(=O)O)cc1 | ClCCl |  | 1 °C |  | | | https://askcos.mit.edu/api/v2/draw/?smiles=C%3DCCCCC(%3DC)C(%3DNN(C)C)C(CC)(CO)CCO%3E%3EC%3DCCCCC(%3DC)C(%3DNN(C)C)C1(CC)CCOC1 | | | **#** |  | **Reagents** |  | **Solvents** |  | **Temperature** |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2a |  | Cc1ccc(S(=O)(=O)O)cc1 |  | Cc1ccccc1 |  | 71 °C |  | |   https://askcos.mit.edu/api/v2/draw/?smiles=C%3DCCCCC(%3DC)C(%3DNN(C)C)C1(CC)CCOC1%3E%3EC%3DCCCCC(%3DC)C(%3DO)C1(CC)CCOC1 | | | **#** |  | **Reagents** | **Catalyst** | **Solvents** |  | **Temperature** |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 3a |  | CC[O+](CC)[B-](F)(F)F.O=C(OO)c1cccc(Cl)c1 | O=[Cr](=O)=O | ClCCl |  | -11 °C |  | |   https://askcos.mit.edu/api/v2/draw/?smiles=C%3DCCCCC(%3DC)C(%3DO)C1(CC)CCOC1%3E%3ECCC1(C(%3DO)C2%3DCCCC2)CCOC1  Τέλος φόρμας   | **#** |  |  | **Catalyst** | | **Solvents** |  | **Temperature** |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 1 |  | CC(C)C1=CC=CC(C(C)C)=C1N=[Mo](=CC(C)(C)C1=CC=CC=C1)(OC(C)(C(F)(F)F)C(F)(F)F)OC(C)(C(F)(F)F)C(F)(F)F | |  | [2H]C1=C([2H])C([2H])=C([2H])C([2H])=C1[2H] |  | 35 °C |  |   https://askcos.mit.edu/api/v2/draw/?smiles=CCO.COC(%3DO)NN1NC(%3DS)NC1C(O)CCl%3E%3ECCOC(%3DO)NN1NC(%3DS)NC1C(O)CCl   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | | **#** |  | **Reagents** |  | **Solvents** |  | **Temperature** |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1b |  | O=S(=O)(O)O |  | ClCCl |  | 20 °C |  | |  |  | | --- | | https://askcos.mit.edu/api/v2/draw/?smiles=CCOC(%3DO)NN1NC(%3DS)NC1C(O)CCl%3E%3ENN1NC(%3DS)NC1C(O)CCl | | | **#** |  | **Reagents** |  |  |  | **Temperature** |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 2b |  | [Na+].[OH-] |  |  |  | 85 °C |  | |  |  | | --- | |  | | https://askcos.mit.edu/api/v2/draw/?smiles=NN1NC(%3DS)NC1C(O)CCl%3E%3ENN1NC(%3DS)NC1C1CO1 | | | **#** |  |  |  | **Solvents** |  | **Temperature** | **i** | | --- | --- | --- | --- | --- | --- | --- | --- | | 3b |  |  |  | CCCCO |  | 113 °C |  | |   Αρχή φόρμας  https://askcos.mit.edu/api/v2/draw/?smiles=CCC1(C(%3DO)C2%3DCCCC2)CCOC1.NN1NC(%3DS)NC1C1CO1%3E%3ECCC1(%2FC(%3DN%5CN2NC(%3DS)NC2C2CO2)C2%3DCCCC2)CCOC1  Τέλος φόρμας   | **#** |  | **Reagents** |  | **Solvents** |  | **Temperature** |  | | --- | --- | --- | --- | --- | --- | --- | --- | | 1c |  | Cc1ccc(S(=O)(=O)O)cc1 |  | CCO |  | 59 °C |  | |
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