

Materials List for:

Efficient Construction of Drug-like Bispriocyclic Scaffolds Via Organocatalytic Cycloadditions of α -Imino γ -Lactones and Alkylidene Pyrazolones

Yani Zhou¹, Nannan Chen², Yaping Cheng², Xiaoqing Cai²

¹School of Basic Medical Sciences, Lanzhou University

²School of Pharmaceutical Sciences, Sun Yat-sen University

Correspondence to: Xiaoqing Cai at caixq7@mail.sysu.edu.cn

URL: <https://www.jove.com/video/59155>

DOI: [doi:10.3791/59155](https://doi.org/10.3791/59155)

Materials

Name	Company	Catalog Number	Comments
Acetonitrile, anhydrous, 99.9%	Innochem (China)	A0080	
α -amino- γ -butyrolactone hydrobromide, 98%	Alfa Aesar	B23148	
3,5-bis(trifluoromethyl)aniline, 98+ %	Adamas	48611B	
Dichloromethane, 99.5%	Greagent	G81014H	
3,4-dimethoxycyclobut-3-ene-1,2-dione, 98+%	Leyan (China)	1062550	
Ethanol, 99.5%	Greagent	G73537B	
Ethyl acetate, 99.5%	Greagent	G23272L	
Ethyl ether, anhydrous, 99.5%	Greagent	G69159B	
Ethyl 3-oxobutanoate, 98%	TCI	A0649	
4-fluorobenzaldehyde, 98%	Innochem (China)	A24295	
Glacial acetic acid, 99.5%	Greagent	G73562B	
Magnesium oxide, 99+%	Alfa Aesar	44733	
Magnesium sulfate, 98%	Greagent	G80872C	
Methanol, 99.5%	Greagent	G75851A	
Petroleum ether	Greagent	G84208D	
Phenylhydrazine, 98%	Innochem (China)	A57671	
(S)-(6-methoxyquinolin-4-yl)((1S,2R,4S,5R)-5-vinylquinuclidin-2-yl)methanamine	DAICEL Group	111240	
Sodium sulfate, anhydrous, 99%	Greagent	G82667A	
Thiophene-2-carbaldehyde, 98%	J & K scientific (China)	124605	
Triethylamine, 99%	J & k scientific (China)	432915	