

Cercosporin-Photocatalyzed [4+1]- and [4+2]-Annulations of Azoalkenes Under Mild Conditions

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Materials

Name	Company	Catalog Number	Comments
2,4'-Dibromoacetophenone	ENERGY	D0500850050	
2'-bromo-4-chloroacetophenone	ENERGY	A0500400050	
2-Bromo-4'-fluoroacetophenone	ENERGY	A050037-5g	
2-Bromoacetophenone	ENERGY	A0500870050	
4-Bromobenzhydrazide	ENERGY	B0103390010	
4-Chlorobenzhydrazide	ENERGY	D0511130050	
4-Fluorobenzhydrazide	ENERGY	B010461-5g	
5 W blue LED	PHILIPS	29237328756	
Benzoyl hydrazine	ENERGY	D0500610250	
CH ₂ Cl ₂	SINOPHARM	80047360	
CH ₃ CN	SINOPHARM	S3485101	
CH ₃ OH	SINOPHARM	100141190	
Cs ₂ CO ₃	ENERGY	E060058-25g	
Ethyl acetate	SINOPHARM	40065986	
freeze dryer	LABCONCO	7934074	
HPLC	Agilent	1260 Infinity II	
KSCN	ENERGY	E0104021000	
Na ₂ SO ₄	SINOPHARM	51024461	
organic microfiltration membrane	SINOPHARM	92412511	
S-7 medium			Glucose 1g; Fructose 3g; Sucrose 6g; Sodium acetate 1g; Soytone 1g; Phenylalanine 5mg; Sodium benzoate 100mg; 1M KH ₂ P0 ₄ buffer pH6.8; Biotin 1mg; Ca(NO ₃) ₂ 6.5mg; Pyridoxal 1mg; Calcium pantothenate 1mg; Thiamine 1mg; MnCl ₂ 5mg;

			FeCl ₃ 2mg; Cu(NO ₃) ₂ 1mg; MgSO ₄ 3.6mg; ZnSO ₄ 2.5mg
Schlenk tub	Synthware	F891910	
sephadex LH-20 column	GE	17009001	
shaker	Lab Tools	BSH00847	
silica gel	ENERGY	E011242-1kg	
^t BuOK	ENERGY	E0610551000	
vacuum bump	Greatwall	SHB-III	
vacuum evaporator			