

Materials List for:

# Light-driven Enzymatic Decarboxylation

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## Materials

Name	Company	Catalog Number	Comments
<b>Chemicals</b>			
Ampicillin	Sigma Aldrich	69-52-3	
Bradford reagent	Roth	K015.1	
BSA	Sigma Aldrich	90604-29-8	
DMSO	Sigma Aldrich	67-68-5	
Ethyl acetate	Fisher Chemical	141-78-6	
Ethylenediaminetetraacetic acid (EDTA)	Roth	8043.1	
Riboflavin 5-monophosphate sodium salt hydrate	Sigma Aldrich	130-40-5	
Hydrochlorid acid 37%	Sigma Aldrich	7647-01-0	
Hydrogen peroxide 30%	Sigma Aldrich	7722-84-1	
δ-Amino levulinic acid	Sigma Aldrich	5451-09-2	
N-Methyl-N-(Trimethylsilyl)trifluoroacetamide (MSTFA)	Sigma Aldrich	24589-78-4	
Myristic acid>99%	Sigma Aldrich	208-875-2	
Imidazole	Sigma Aldrich	288-32-4	
Sodium chloride	Fisher Chemical	7647-14-5	
Stearic acid>99%	Sigma Aldrich	57-11-4	
Tetracycline	Sigma Aldrich	60-54-8	
Tergitol	Sigma Aldrich	MFCD01779855	
Tris(hydroxymethyl)-aminomethan	Sigma Aldrich	77-86-1	
<b>Device</b>			
Incubator shaker	G-25CK	New Brunswick Scientific	
	Ecotron	Infors HT	
Centrifugation	Labofuge 400R	Heraeus	
	RC 5B Plus	Sorvall	
	Fresco 17	Thermo Scientific	
Centrifugation rotors	SS34	Sorvall	
	SLA	Sorvall	
Clean bench	Enviroco	Ceag Schirp Reinraum technik	
Column GC-FID	CP-Sil 5CB (30 m x 0.25 mm x 0.25 µm)	Agilent Technologies	
Column GC-MS	FactorFour Capillary Coloumn (VF-5 ms + 5 m EZ Guard)	Varian	
GC-FID	GC-2010 plus	Shimadzu	

GC-MS	IST-40	Varian	
Magnetic stirrer	RCT classic	IKA	
pH meter	SevenEasy	Mettler toledo	
Sonicator	Branson Sonifier 250	Branson	
Spectral photometer	FLUOstar Omega	BMG Labtech	
<b>Equipment</b>			
Affinity chromatography column	His Pur Ni-NTA spin column	Thermo Scientific	
Centricon	Vivaspin turbo 15	VWR International	
Microtiter plates	96 Well Multiply®PCR Plates	Sarstedt	