

Materials List for:

Split-and-pool Synthesis and Characterization of Peptide Tertiary Amide Library

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Materials

Name	Company	Catalog Number	Comments
2,4,6 trimethylpyridine	ACROS	161950010	CAS:108-75-8
2-morpholinoethanamine	Sigma-Aldrich	06680	CAS:2038-03-1
48% HBr water solution	ALFA AESAR	AA14036AT	CAS:10035-10-6
Acetaldehyde	Sigma-Aldrich	402788	CAS:75-07-0
Acetonitrile	Fisher	SR015AA-19PS	CAS:75-05-8
Anhydrous tetrahydrofuran (THF)	EMD	EM-TX0277-6	CAS:109-99-9
Benzylamine	Sigma-Aldrich	185701	CAS:100-46-9
bis(Trichloromethyl) carbonate (BTC)	ACROS	258950050	CAS:32315-10-9
Bromoacetic acid	ACROS	106570010	CAS:79-08-3
Chloranil	Sigma-Aldrich	23290	CAS:118-75-2
Cyclohexanemethylamine	Sigma-Aldrich	101842	CAS:3218-02-8
D ₂ O	Cambridge Isotope	DLM-4-99.8-1000	CAS:7789-20-0
D-Alanine	Anaspec	61387-100	CAS:338-69-2
Dichloromethane (DCM)	Fisher	BJ-NS300-20	CAS:75-09-2
Dimethylformamide (DMF)	Fisher	BJ-076-4	CAS:68-12-2
Ethylene glycol	Oakwood	44710	CAS:107-21-1
Isopentylamine	Sigma-Aldrich	W321907	CAS:107-85-7
KBr	ACROS	424070025	CAS:7758-02-3
L-Alanine	Anaspec	61385-100	CAS:56-41-7
3-Methoxypropylamine	Sigma-Aldrich	M25007	CAS:5332-73-0
2-Methoxyethylamine	Sigma-Aldrich	143693	CAS:109-85-3
N-(3-Aminopropyl)-2-pyrrolidinone	Sigma-Aldrich	136565	CAS:7663-77-6
N,N'-Diisopropylcarbodiimide (DIC)	ACROS	115211000	CAS:693-13-0
N,N-Diisopropylethylamine (DIPEA)	Sigma-Aldrich	D125806	CAS:7087-68-5
NaNO ₂	ACROS	424340010	CAS:7631-99-4
NAOD 40% solution in water	ACROS	200058-506	CAS:7732-18-5
Piperidine	ALFA AESAR	A12442-AE	CAS:110-89-4
Piperonylamine	Sigma-Aldrich	P49503	CAS:2620-50-0
Propylamine	Sigma-Aldrich	240958	CAS:107-10-8
Trifluoroacetic acid	Sigma-Aldrich	299537	CAS:76-05-1
α-Cyano-4-hydroxycinnamic acid	Sigma-Aldrich	39468	CAS:28166-41-8
α-Ketoglutarate	ALFA AESAR	AAA10256-22	CAS:328-50-7

Tentagel Resin with RINK linker	Rapp-Polymere	S30023	
Alanine transaminase	Roche	10105589001	AKA: Glutamate-Pyruvate Transaminase (GPT)
Incubator	New Brunswick Scientific	Innova44	
NMR	Bruker	400 MHz	
MALDI mass spectrometer	Applied Biosystems	4800 MALDI-TOF/TOF	
Lyophilizer	SP Scientific	VirTis benchtop K	
Syringe reactor	INTAVIS	Reaction Column	3 ml, 5 ml, 10 ml, 20 ml
Vacuum manifold	Promega	A7231	Vac-Man