

Materials List for:

An Efficient Method for the Synthesis of Peptoids with Mixed Lysine-type/Arginine-type Monomers and Evaluation of Their Anti-leishmanial Activity

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URL: <https://www.jove.com/video/54750>

DOI: [doi:10.3791/54750](https://doi.org/10.3791/54750)

Materials

Name	Company	Catalog Number	Comments
Polypropylene solid phase extraction cartridges with two frits	Crawford Scientific	12131017 and 12131015	20 ml and 6 ml cartridges used in this preparation
Trifluoroacetic acid	Tokyo Chemical Industry (Europe)	T0431-100g	>98%; CAUTION: can cause severe burns and respiratory irritation
<i>N,N'</i> -diisopropylcarbodiimide	Sigma Aldrich	38370-100ML	>98%; CAUTION: hazardous to eyes, skin and via respiratory inhalation, may also cause sensitisation
Dimethylformamide	Fischer Scientific	10346180	HPLC grade; CAUTION: suspected teratogen
Acetonitrile	Fischer Scientific	10407440	HPLC grade
Dichloromethane	Fischer Scientific	10354263	99.8%; CAUTION: suspected carcinogen
Bromacetic acid	Sigma Aldrich	17000-100G	>99%; CAUTION: causes burns and hazardous to skin, eyes and respiratory tract
(S)-(-)-alpha methylbenzylamine	Sigma Aldrich	115568-100G	98%; CAUTION: harmful if swallowed, toxic in contact with skin, causes severe skin burns and eye damage, used to synthesise the Nspe monomer
<i>N</i> -Boc 1,4-diaminobutane	Tokyo Chemical Industry (Europe)	A1373-25g	>98%; CAUTION: causes severe skin burns and eye damage, used to synthesise the NLys monomer
<i>N</i> -Boc 1,2-diaminoethane	Tokyo Chemical Industry (Europe)	A1371-25g	>97%; CAUTION: causes severe skin burns and eye damage, used to synthesise the Nae monomer
1,2-diaminobutane	Sigma Aldrich	D13208-100G	99%; CAUTION: flammable liquid and vapour, harmful if swallowed or inhaled, toxic in contact with skin, causes severe skin burns and eye damage, used in the synthesis of the NhArg monomer
1,4-diaminoethane	Sigma Aldrich	03550-250ML	>99.5%; CAUTION: flammable liquid and vapour, harmful if swallowed or inhaled, toxic in contact with skin, causes severe skin burns and eye damage, used in the synthesis of the NnArg monomer

1H-pyrazole-1-carboxamide HCl	Sigma Aldrich	402516-10G	as HCl salt; CAUTION: harmful if swallowed and may cause an allergic skin reaction, causes serious eye damage
Hydrazine monohydrate	Sigma Aldrich	207942-5G	reagent grade; CAUTION: suspected carcinogen, fatal if inhaled and causes severe burns to skin and eyes
2-acetyl dimedone	Novabiochem	8510150005	Dde-OH
Rink Amide resin	Novabiochem	8551190005	100-200 mesh, high loading
Piperidine	Sigma Aldrich	411027-1L	>99.5%, a controlled substance, so adequate permission must be obtained before purchase; CAUTION: highly flammable liquid and vapour, harmful if swallowed and toxic in contact with skin or if inhaled, causes severe skin burns and eye damage, harmful to aquatic life with long lasting effects
Triisopropylsilane	Sigma Aldrich	233781-50G	98%; CAUTION: flammable liquid and vapour, causes skin irritation and serious eye irritation
alamarBlue	ThermoFischer	DAL1025	Not classified as hazardous
Schneider's Insect Medium	Sigma Aldrich	S9895-1L	Powdered, medium must be made prior to use following manufacturers instructions; allow to warm to room temperature before use in biological assays
96 well plates	VWR	734-1793	Flat bottom (to allow fluorescence measurement from the bottom), tissue-culture treated
Solvent reservoirs	VWR	613-1182	Used with multi channel pipette
Multi channel pipette	Eppendorf	3122000043	
Pipette tips	Starlab Group	S1111-3810, S1113-1810, S1111-6810	Volume of tip dependent on pipette used. 10 µl, 10 - 200 µl and 1,000 µl recommended for assays
25 cm ³ cell culture flasks	VWR	734-2312	
50 ml centrifuge tubes	VWR	525-0791	
dimethylsulphoxide (molecular biology grade)	Sigma Aldrich	D8418-50ML	Not classified as hazardous
Heat Inactivated Fetal Bovine Serum	ThermoFischer	10082139-100mL	Gibco
Penicillin/Streptomycin	ThermoFischer	15140148-20mL	Abbreviation: P/S
Amphotericin B	Sigma Aldrich	46006-100mg	Amphotericin B trihydrate, Vetrinal TM analytical standard