

Materials List for:

Constructing Thioether/Vinyl Sulfide-tethered Helical Peptides Via Photo-induced Thiol-ene/yne Hydrothiolation

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Materials

Name	Company	Catalog Number	Comments
Rink Amide MBHA resin(0.53 mmol/g)	HECHENG	GRM50407	
Standard Fmoc-protected amino acids	GL Biochem (Shanghai) Ltd.		
N-Methyl-2-pyrrolidinone	Shenzhen endi Biotechnology Co.Ltd.	3230	skin harmful
N,N-Dimethyl formamide	Energy	B020051	skin harmful
Dichloromethane	Energy	W330229	skin harmful
N,N-Diisopropylethylamine	Aldrich	9578	irritant
Trifluoroacetic acid	J&K	101398	corrosive
Triisopropylsilane	J&K	973821	
1,2-Ethanedithiol	J&K	248897	Stench
2-(6-Chloro-1H-benzotriazole-1-yl)-1,1,3,3-tetramethylammonium hexafluorophosphate	GL Biochem (Shanghai) Ltd.	851012	
Morpholine	Aldrich	M109062	irritant
Diethyl ether	Aldrich	673811	flammable
Acetonitrile	Aldrich	9758	toxicity
Methanol	Aldrich	9758	toxicity
2-hydroxy-1-[4-(2-hydroxyethoxy)-phenyl]-2-methyl-1-propanone	Energy	A050035	
4-methoxyacetophenone	Energy	A050098	
2,2-dimethoxy-2-phenylacetophenone	Energy	D070132	
5,5'-Dithiobis-(2-nitrobenzoic acid)	J&K	281281	
Benzotriazole-1-yl-oxytrypyrrolidinophosphonium hexafluorophosphate	Energy	E020172	
1-Hydroxybenzotriazole	Energy	D050256	
4-Methylmorpholine	Energy	W320038	
High Performance Liquid Chromatography	SHIMADZU	LC-30AD	
Electrospray Ionization Mass	SHIMADZU	LCMS-8030	
Lyophilizer	Labconco	FreeZone	
SpeedVac concentration system	Thermo	Savant	
vacuum manifold	promega	A7231	

three-way stopcocks	Bio-Rad	7328107	
poly-prep chromatography columns	Bio-Rad	7311550	