Supporting information showing the amines used in peptoid sequence assemblies and reagent calculation sheets easily generated by Alstra software upon sequence design.

Amines:

Nae Nce Npe Noc Ntrp Nlys Npm

Sequences:

Peptoid nanosheet positive segment (Nae-Npe)7

P_{Nae} P_{Npe} P_{Nae} P_{Npe} P_{Nae} P_{Npe} P_{Nae} P_{Npe} P_{Nae} P_{Npe} P_{Nae} P_{Npe} P_{Nae} P_{Npe}

GN2-Npm9-C8

P_{Noc} P_{Nlys} P_{Ntrp} P_{Nlys} P_{Nlys} P_{Ntrp} P_{Ntrp} P_{Nlys} P_{Ntrp} P_{Npm}

Reagent calculation

(Nae-Npe)7

Pos	Acid	Chemical name	Equivalents	Moi mass (g/mol)	Mass (g)	Volume (mL)	Dissolve volume (mL)	Con-centration (mol/L)	Total volume (mL)
A:1	P_{Nae}	Ethylenediamine	34.09	160.2	3.381		18.677	1.0	21.1
A:8		DIC conc.	19.85	126.2		3.887	0.0	6.47	3.88
B:1	P_{Npe}	Phenethylamine	34.09	121.2	2.557		19.39	1.0	21.1
B:8		Bromoacetic acid			2.501				30.0
C:1		20% Piperdine in DCF	90.91	85.2		1.6	6.5	2.0	8.1
C:8		Bromoacetic acid			1.017				12.2
D:1		DCM				0.0			27.1
S1		DMF				0.0			1309.6
S2		DMF				0.0			10.4

GN2-Npm9-C8

Pos	Acid	Chemical name	Equivalents	Moi mass (g/mol)	Mass (g)	Volume (mL)	Dissolve volume (mL)	Con-centration (mol/L)	Total volume (mL)
A:1	P_{Noc}	Octylamine	45.45	129.2	0.400		2.865	1.0	3.1
A:7		Bromoacetic acid			0.017				0.2
A:8		Bromoacetic acid			2.501				30.0
B:1	P_{Nlys}	N-Boc-1,4-diaminobutane	45.45	188.3	2.278		10.417	1.0	12.1
B:8		DIC conc.	26.47	126.2		2.805	0.0	6.47	2.8
C:1	P_{Ntrp}	Triptamine	45.45	160.2	1.939		10.71	1.0	12.1
C:8		20% Piperdine in DCF	121.21	85.2		1.6	6.5	2.0	8.1
D:1	P_{Npm}	Phenylmethylamine	45.45	107.1	0.332		2.886	1.0	3.1
D:4		DCM				0.0			18.1
S1		DMF				0.0			949.6
S2		DMF				0.0			7.6