Initiator+ Alstra Peptide Sequence Summary

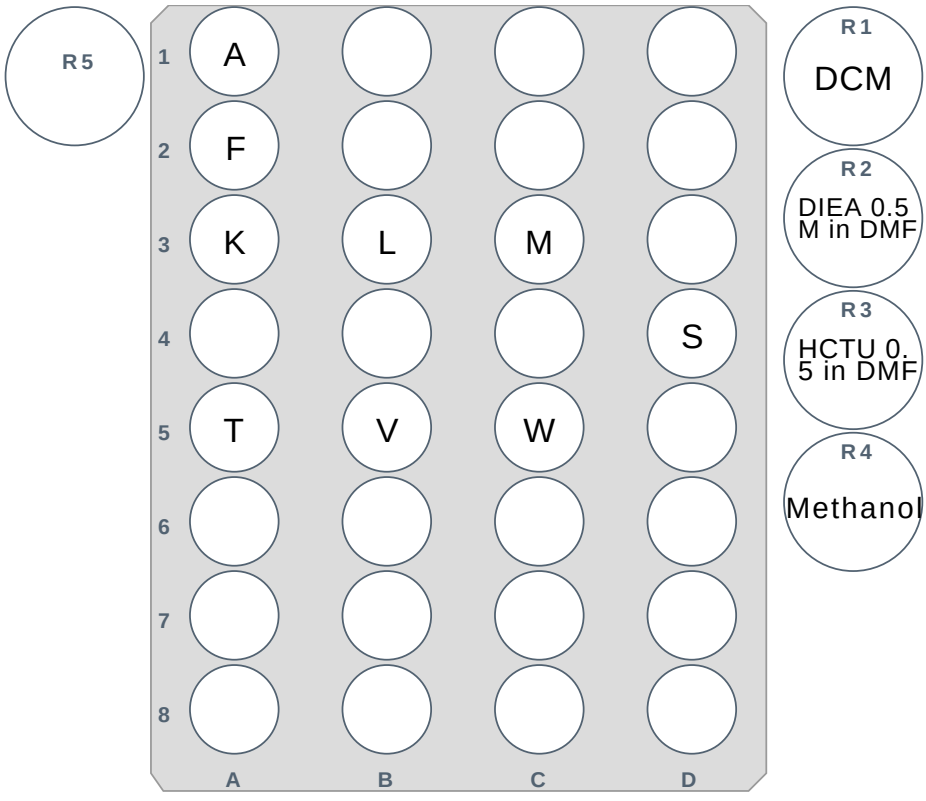
Date: 2016-05-23 10:29

Calculation Table

Sequence:

K K K S L V T A L L M A L L V L L L F L F W W L L K K # 1

Resin: Rink amide ChemMatrix
Loading: 0.50 mmol/g
Mol. Weight: 3228.0 g/mol
Quantity: 0.200 g
Scale: 0.100 mmol
Vial: 10 mL



Pos	Acid	Chemical Name	Equivalents	Mol Mass [g/mol]	Mass [g]	Volume [mL]	Dissolve Volume [mL]	Concentration [mol/L]	Total Volume [mL]
A:1	A	Fmoc-Ala-OH	5.0	311.3	0.638		3.597	0.5	4.1
A:2	F	Fmoc-Phe-OH	5.0	387.4	0.794		3.462	0.5	4.1
A:3	K	Fmoc-Lys(Boc)-OH	5.0	468.5	2.366		8.173	0.5	10.1
A:5	T	Fmoc-Thr(tBu)-OH	5.0	397.5	0.417		1.764	0.5	2.1
B:3	L	Fmoc-Leu-OH	5.0	353.4	3.905		18.984	0.5	22.1
B:5	V	Fmoc-Val-OH	5.0	339.4	0.696		3.547	0.5	4.1
C:3	M	Fmoc-Met-OH	5.0	371.5	0.39		1.788	0.5	2.1
C:5	W	Fmoc-Trp(Boc)-OH	5.0	526.6	1.08		3.215	0.5	4.1
D:4	S	Fmoc-Ser(tBu)-OH	5.0	383.4	0.403		1.777	0.5	2.1
R1		DCM				0.0			20.0

Pos	Acid	Chemical Name	Equivalents	Mol Mass [g/mol]	Mass [g]	Volume [mL]	Dissolve Volume [mL]	Concentration [mol/L]	Total Volume [mL]
R2		DIEA 0.5M in DMF	10.0	129.2		9.841	103.159	0.5	113.0
R3		HCTU 0.5 in DMF	4.98	413.7	12.159		58.784	0.5	58.784
R4		Methanol				0.0			20.0
S1		DMF				0.0			1432.9
S2		DMF2				0.0			145.3
S3		20% MePiperidine in DMF	90.0	99.2		63.475	205.325	2.0	268.8