

Initiator+ Alstra Peptide Sequence Summary

User: Diana

Date: 2019-10-22 18:35

Vial: 30 mL

Resin: Fmoc-Ala-Wang

Resin Functionality: $\text{NH}_2\text{-CH}(\text{CH}_3)\text{COOH}$

Loading: 0.67 mmol/g

Resin Functionality Molecular Weight: 88.0 g/mol

Molecular Weight: 332.1 g/mol

Product Weight: 0.166 g

Quantity: 0.746 g

Scale: 0.5 mmol

UV: Off

Notes: SR02-19

Sequence:

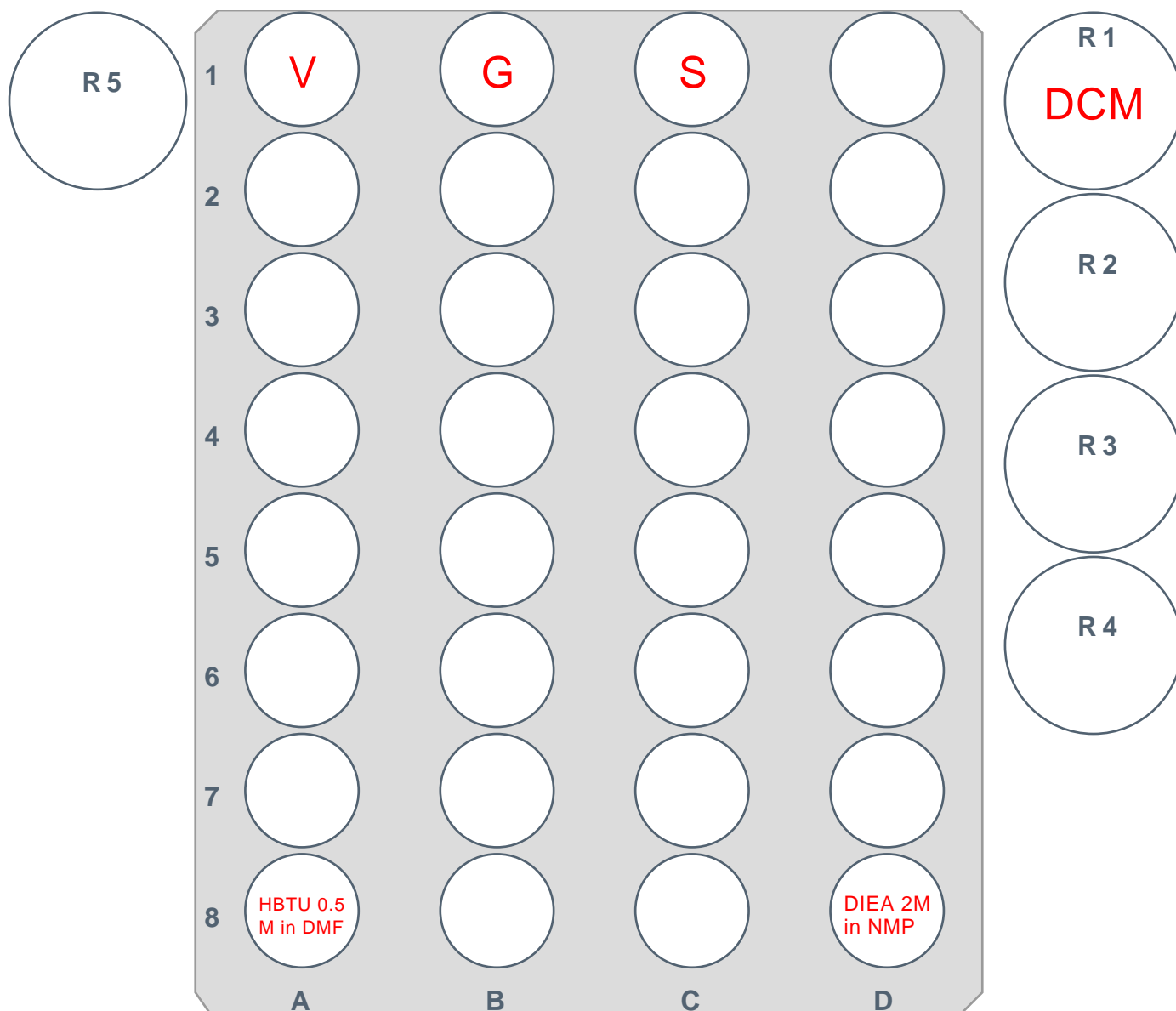
V G S # 1



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Calculation Table



Pos	Acid	Chemical Name	Equivalents	Mol Mass [g/mol]	Mass [g]	Volume [mL]	Dissolve Volume [mL]	Concentration [mol/L]	Total Volume [mL]
A:1	V	Fmoc-Val-OH	4.0	339.4	1.375		7.007	0.5	8.1
A:8		HBTU 0.5M in DMF	4.0	379.3	4.57		24.1	0.5	24.1
B:1	G	Fmoc-Gly-OH	4.0	297.3	1.204		7.155	0.5	8.1
C:1	S	Fmoc-Ser(tBu)-OH	4.0	383.4	1.553		6.853	0.5	8.1
D:8		DIEA 2M in NMP	8.0	129.2		4.215	7.885	2.0	12.1

Pos	Acid	Chemical Name	Equivalents	Mol Mass [g/mol]	Mass [g]	Volume [mL]	Dissolve Volume [mL]	Concentration [mol/L]	Total Volume [mL]
R1		DCM				0.0			50.0
S1		DMF				0.0			576.2
S2		NMP				0.0			39.0
S3		20% Piperidine in DMF	36.0	85.2		22.285	90.515	2.0	112.8

Cycle No: 1**S** (Fmoc-Ser(tBu)-OH)**Swelling DMF**, 2019-10-22 18:35**Reaction: Temp:** Room Temperature **Time (mm:ss):** 60:00 **Oscillating Mixer:** On **Inert Gas:** On
Interval Mixing On/Off: 10/120**SKK Deprotection 20% Piperidine**, 2019-10-22 19:37**Reaction: Temp:** Room Temperature **Time (mm:ss):** 03:00 **Oscillating Mixer:** On**Reaction: Temp:** Room Temperature **Time (mm:ss):** 12:00 **Oscillating Mixer:** On**HBTU/DIPEA couplingDouble**, 2019-10-22 20:11**Reaction: Temp:** Room Temperature **Time (mm:ss):** 60:00 **Oscillating Mixer:** On**Reaction: Temp:** Room Temperature **Time (mm:ss):** 60:00 **Oscillating Mixer:** On**SKK Deprotection 20% Piperidine**, 2019-10-22 22:49**Reaction: Temp:** Room Temperature **Time (mm:ss):** 03:00 **Oscillating Mixer:** On**Reaction: Temp:** Room Temperature **Time (mm:ss):** 12:00 **Oscillating Mixer:** On

Cycle No: 2

G (Fmoc-Gly-OH)

HBTU/DIPEA couplingDouble, 2019-10-22 23:23

Reaction: Temp: Room Temperature Time (mm:ss): 60:00 Oscillating Mixer: On

Reaction: Temp: Room Temperature Time (mm:ss): 60:00 Oscillating Mixer: On

SKK Deprotection 20% Piperidine, 2019-10-23 02:01

Reaction: Temp: Room Temperature Time (mm:ss): 03:00 Oscillating Mixer: On

Reaction: Temp: Room Temperature Time (mm:ss): 12:00 Oscillating Mixer: On

Cycle No: 3**V** (Fmoc-Val-OH)**HBTU/DIPEA couplingDouble**, 2019-10-23 02:34

Reaction: Temp: Room Temperature Time (mm:ss): 60:00 Oscillating Mixer: On

Reaction: Temp: Room Temperature Time (mm:ss): 60:00 Oscillating Mixer: On

SKK Deprotection 20% Piperidine, 2019-10-23 05:12

Reaction: Temp: Room Temperature Time (mm:ss): 03:00 Oscillating Mixer: On

Reaction: Temp: Room Temperature Time (mm:ss): 12:00 Oscillating Mixer: On

Pre-cleavage wash DCM, 2019-10-23 05:46