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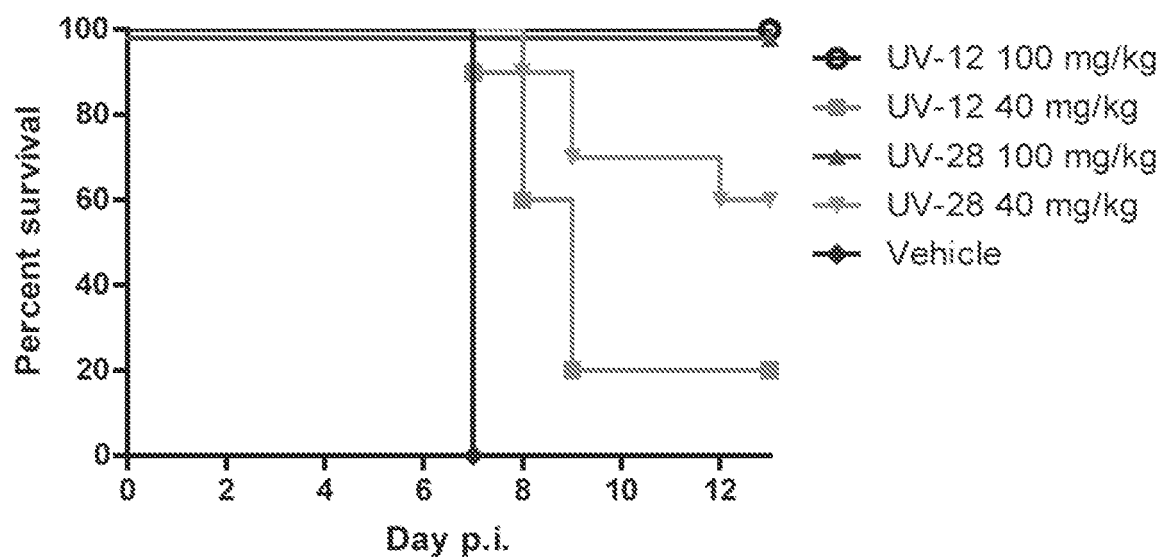


Figure 1

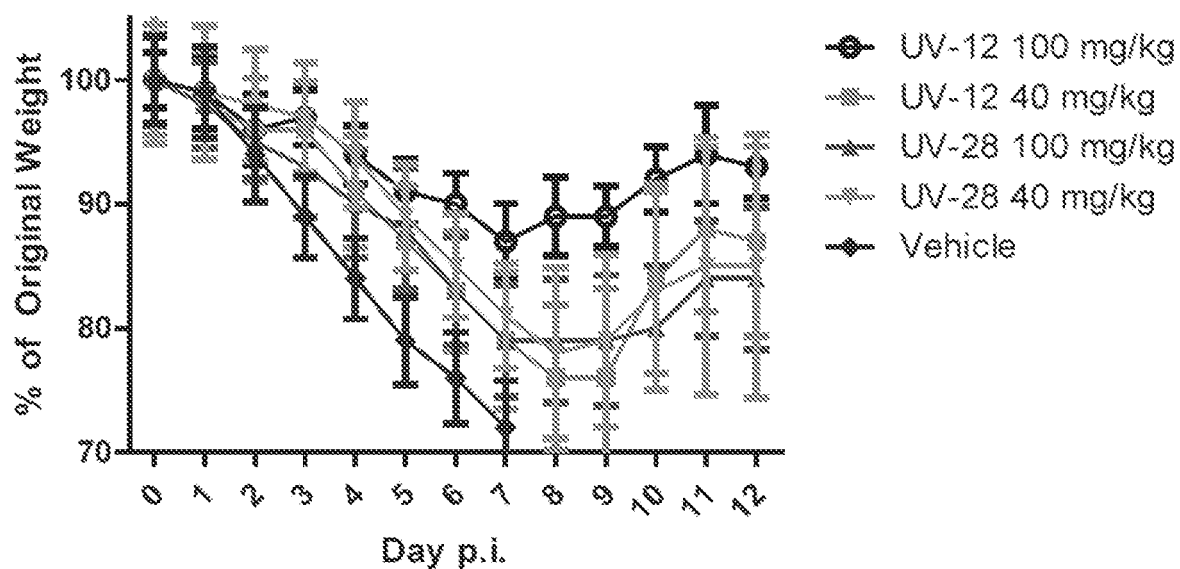


Figure 2

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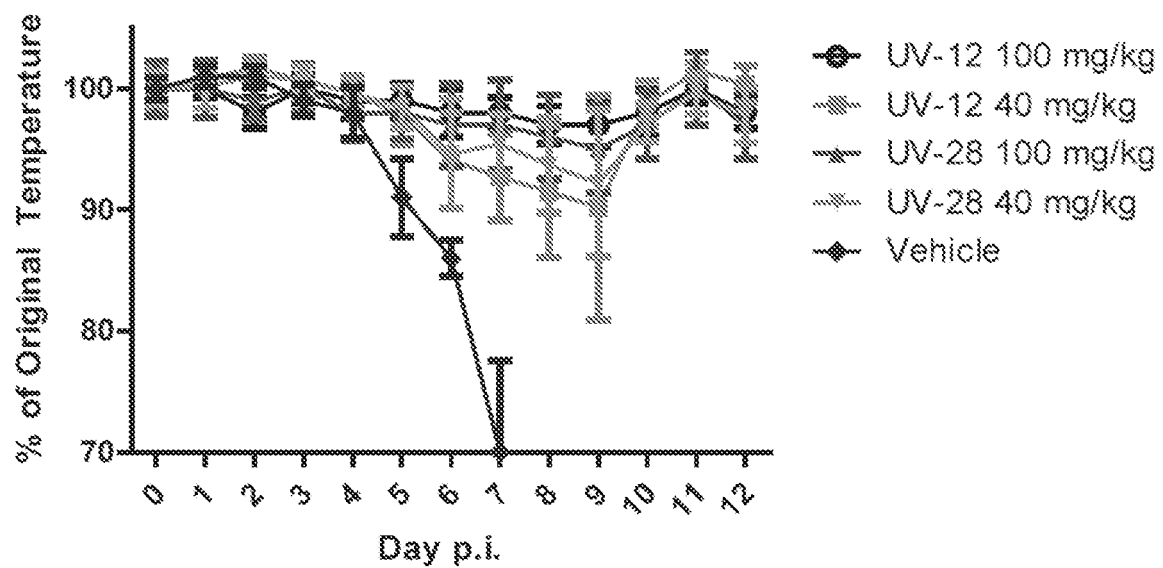


Figure 3

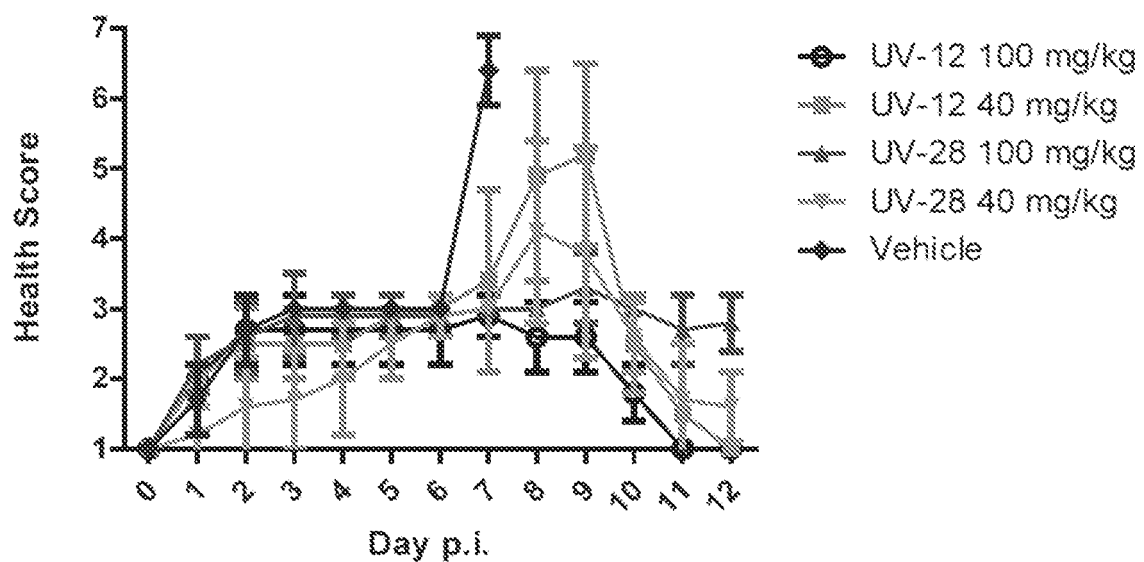


Figure 4

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In Vivo Efficacy against Dengue Virus
 - UV -12: Oral delivery, TID, 7 days

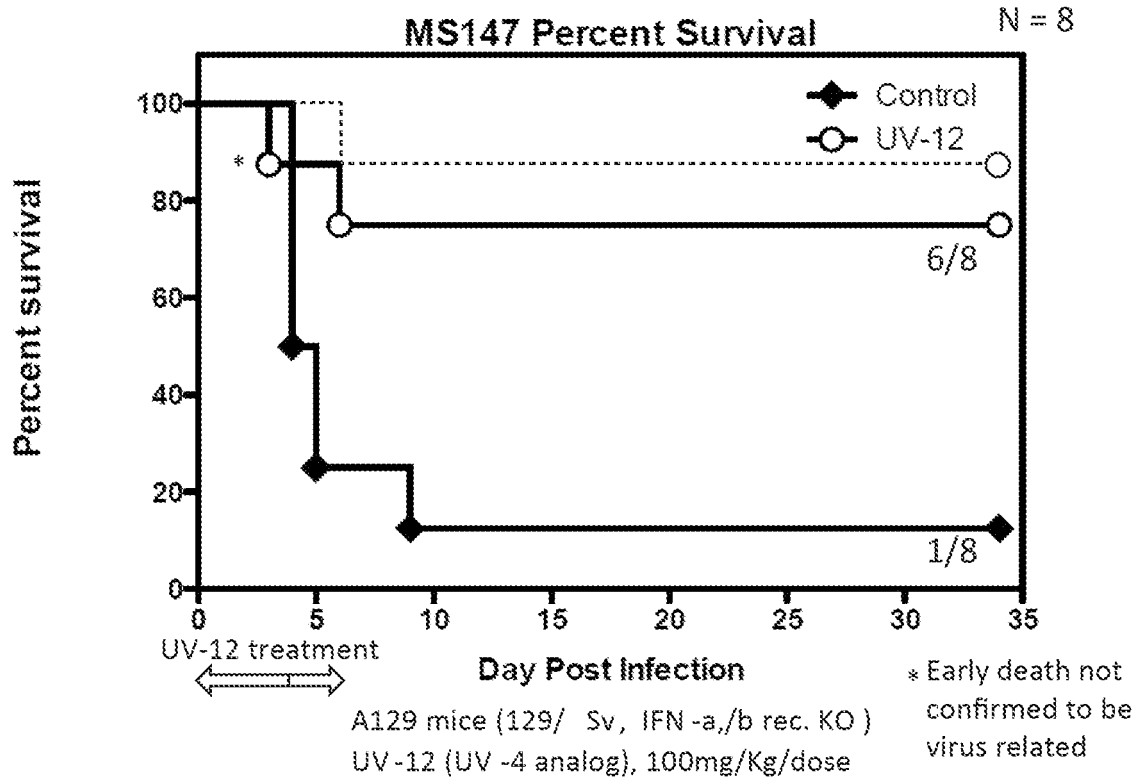


Figure 5

Survival of infected mice treated orally with 100 mg/kg of UV-4B, UV-8, UV-9, UV-10, UV-11, and UV-12. Infection with INFV A/Texas/36/91 (H1Ni)

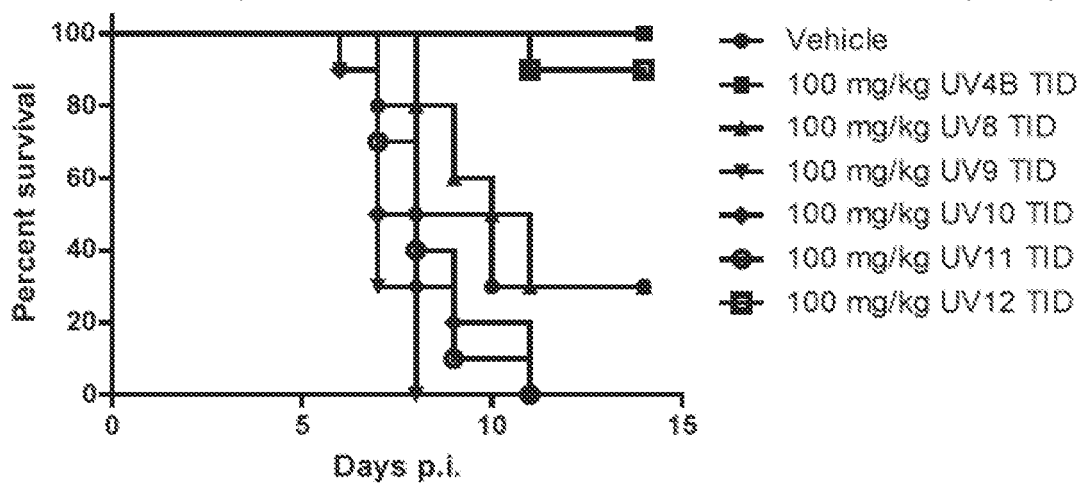


Figure 6

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Treated samples vs H2O Control Group						
	100 mg/kg UV-4B	100 mg/kg UV-8	100 mg/kg UV-9	100 mg/kg UV-10	100 mg/kg UV-11	100 mg/kg UV-12
Log-rank (Mantel-Cox) Test						
Chi square	9.429	0.2812	8.043	2.924	2.66	8.272
df	1	1	1	1	1	1
P value	0.0021	0.5959	0.0046	0.0873	0.1029	0.004
P value summary	**	ns	**	ns	ns	**
Significant?	Yes	No	Yes	No	No	Yes
Gehan-Breslow-Wilcoxon Test						
Chi square	8.978	0.9379	7.335	2.41	1.261	8.565
df	1	1	1	1	1	1
P value	0.0027	0.3328	0.0068	0.1206	0.2614	0.0034
P value summary	**	ns	**	ns	ns	**
Significant?	Yes	No	Yes	No	No	Yes
Median survival						
Control + H2O	9	9	9	9	9	9
Treated Group	Undefined	10.5	7	7.5	8	Undefined
Hazard Ratio						
Ratio	11.79	1.369	0.1389	0.3758	0.3845	8.977
95% CI of ratio	2.441 to 56.96	0.4286 to 4.373	0.03550 to 0.5435	0.1224 to 1.154	0.1219 to 1.213	2.012 to 40.05

Figure 7

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Weight development of infected mice treated with
100 mg/kg of UV-4B or UV-8

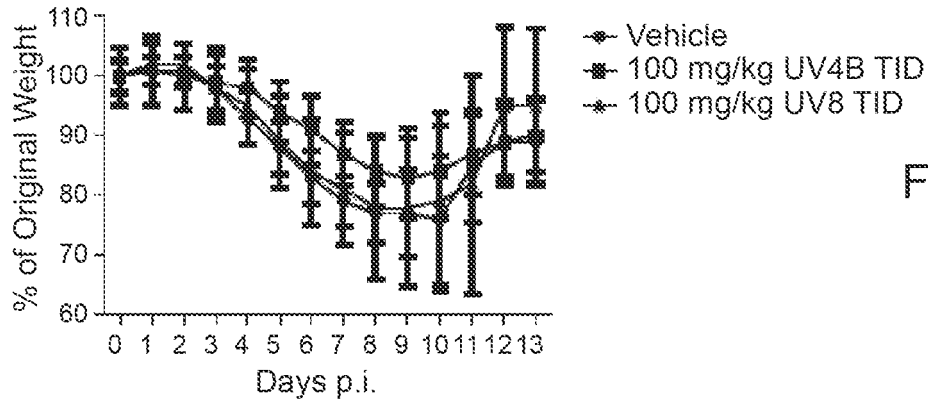


Figure 8A

Weight development of infected mice treated with
100 mg/kg of UV-4B or UV-9

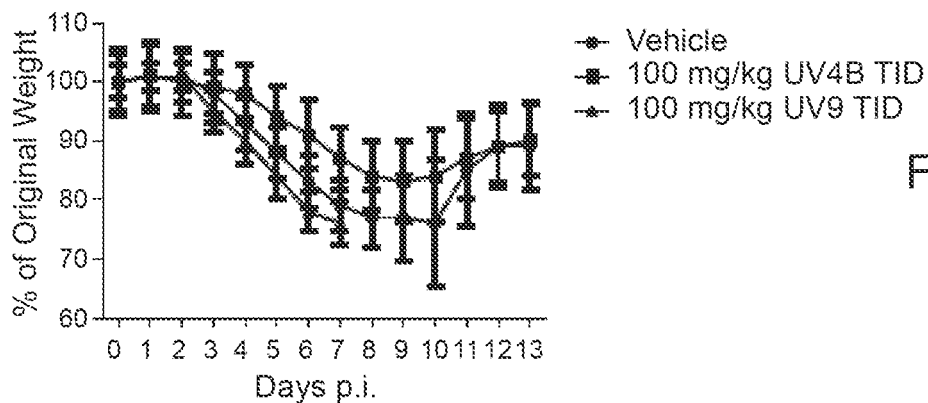


Figure 8B

Weight development of infected mice treated with
100 mg/kg of UV-4B or UV-10

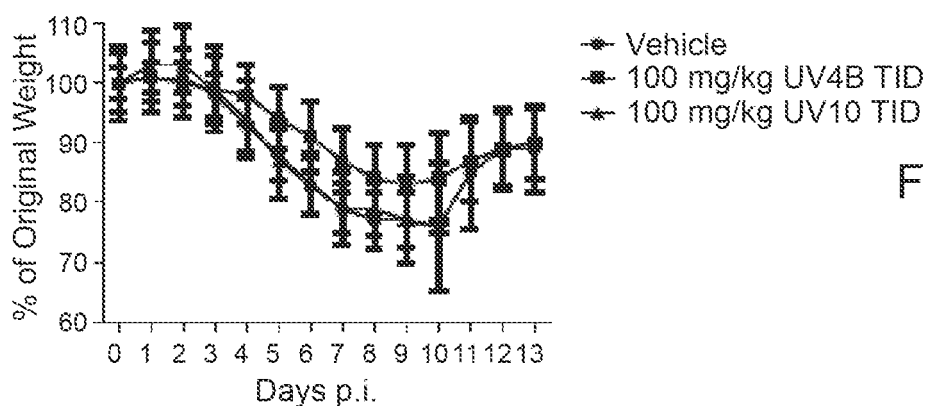


Figure 8C

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Weight development of infected mice treated with
100 mg/kg of UV-4B or UV-11

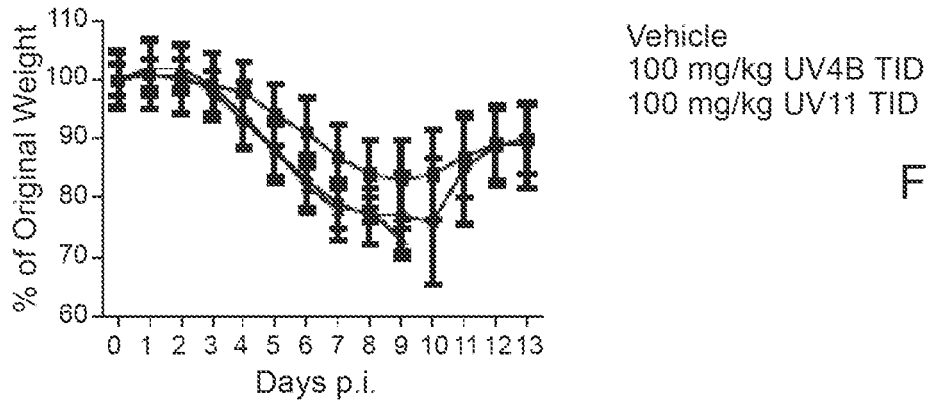


Figure 8D

Weight development of infected mice treated with
100 mg/kg of UV-4B or UV-12

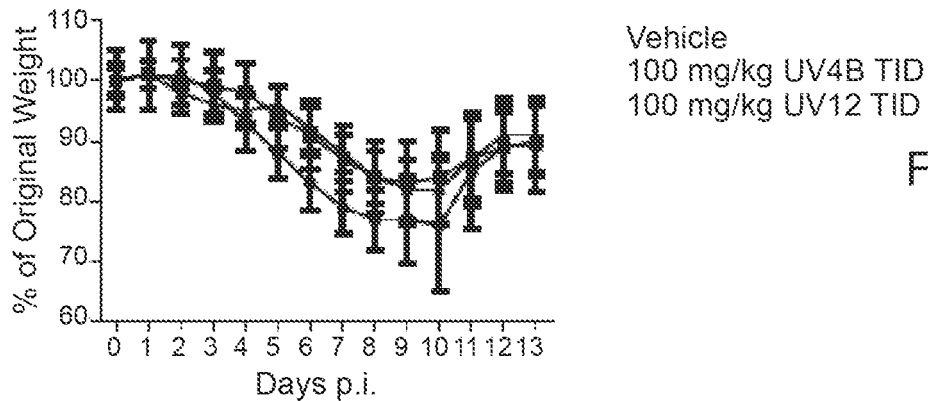


Figure 8E

Weight development of uninfected mice treated with
UV-8, -9, -10, -11, or -12.

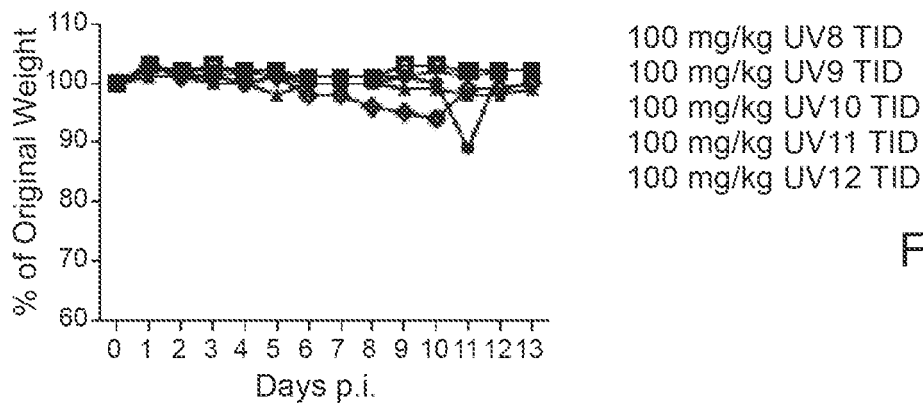


Figure 8F

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100 mg/kg UV-4B		
Source of Variation	% of Total Variation	P Value
Interaction	5.9	< 0.0001
Time	77.65	< 0.0001
Treatment	5.16	0.0008
Subjects (matching)	5.7963	< 0.0001

100 mg/kg UV-8		
Source of Variation	% of Total Variation	P Value
Interaction	0.19	0.8896
Time	81.29	< 0.0001
Treatment	0.26	0.502
Subjects (matching)	10.1209	< 0.0001

100 mg/kg UV-12		
Source of Variation	% of Total Variation	P Value
Interaction	12.31	< 0.0001
Time	71.47	< 0.0001
Treatment	5.25	0.0004
Subjects (matching)	5.1095	< 0.0001

Figure 9

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Temperature development of infected mice treated with
100 mg/kg of UV-4B or UV-8

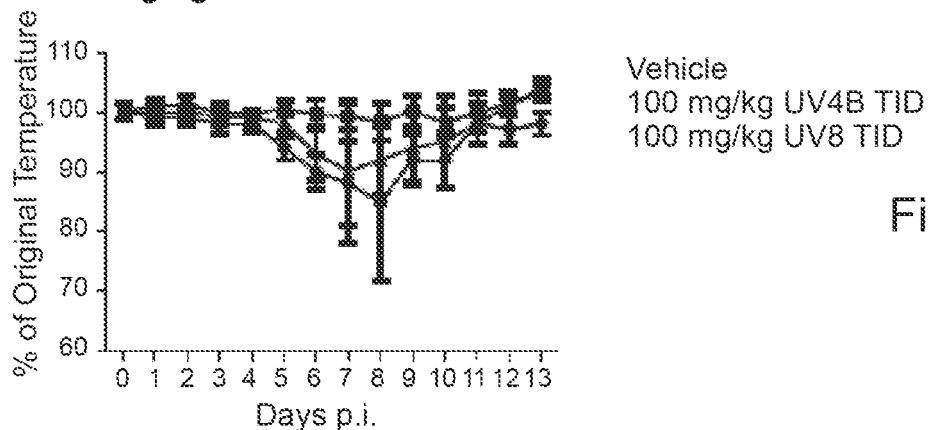


Figure 10A

Temperature development of infected mice treated with
100 mg/kg of UV-4B or UV-9

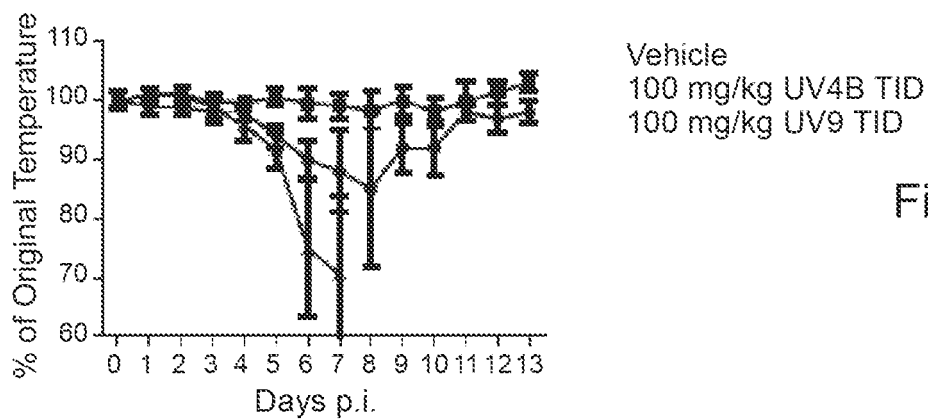


Figure 10B

Temperature development of infected mice treated with
100mg/kg of UV-4B or UV-10

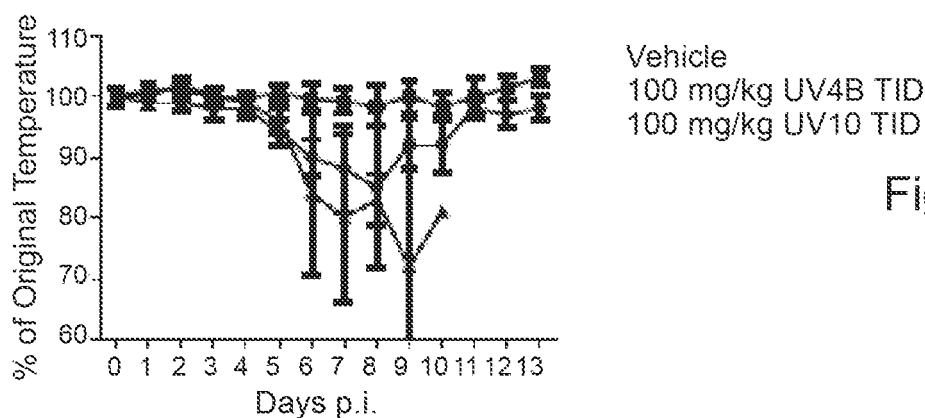


Figure 10C

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Temperature development of infected mice treated with
100 mg/kg of UV-4B or UV-11

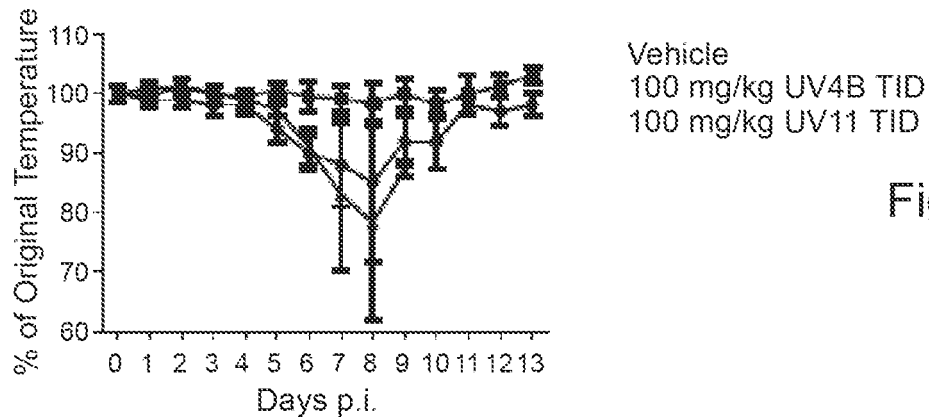


Figure 10D

Temperature development of infected mice treated with
100 mg/kg of UV-4B or UV-12

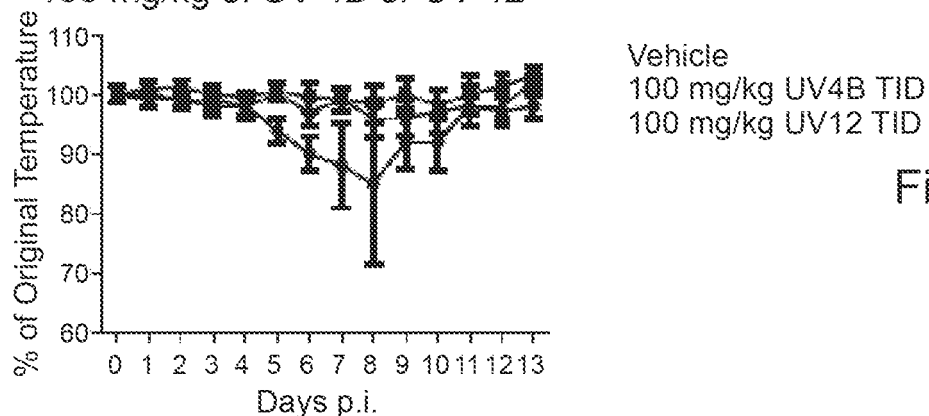


Figure 10E

Weight development of uninfected mice treated with
UV-8, -9, -10, -11, or -12.

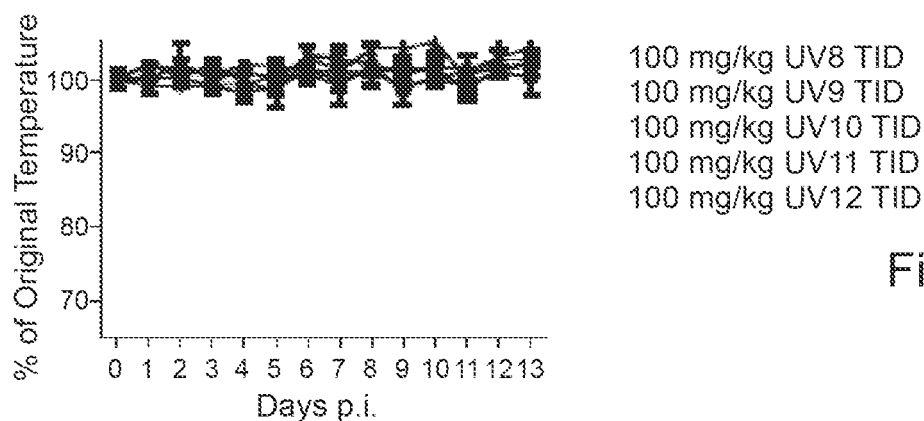


Figure 10F

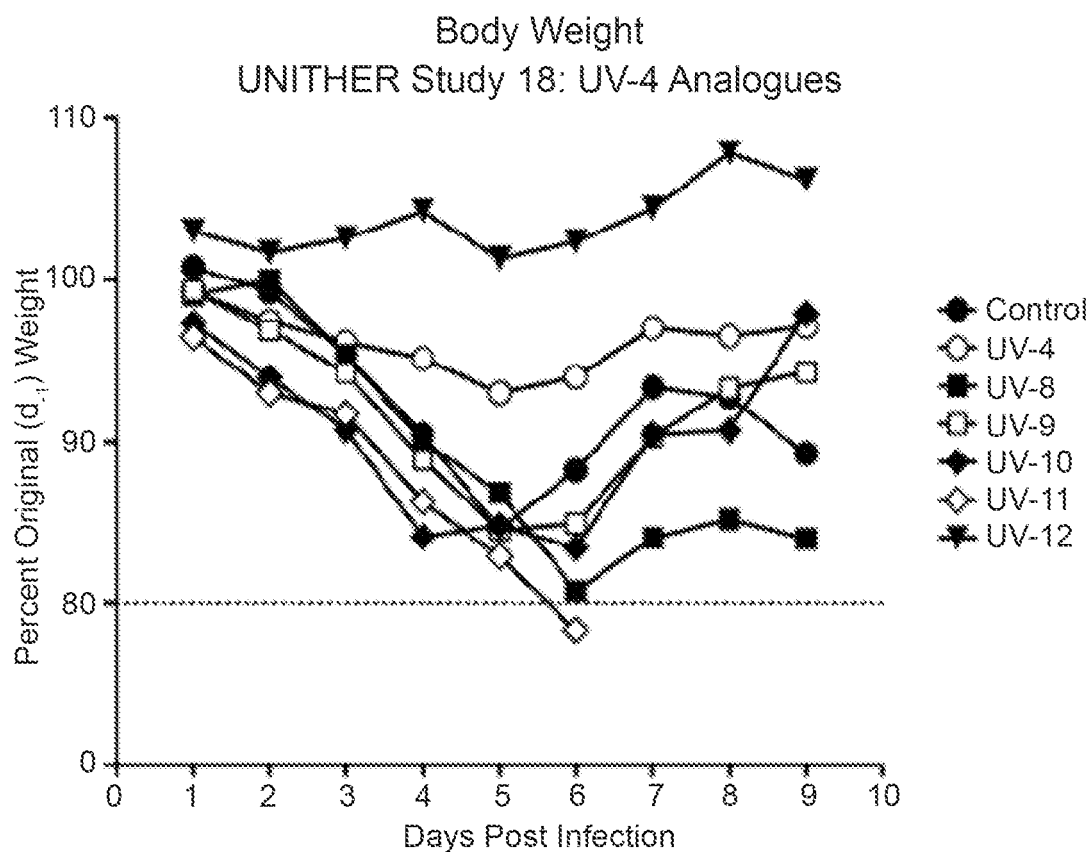
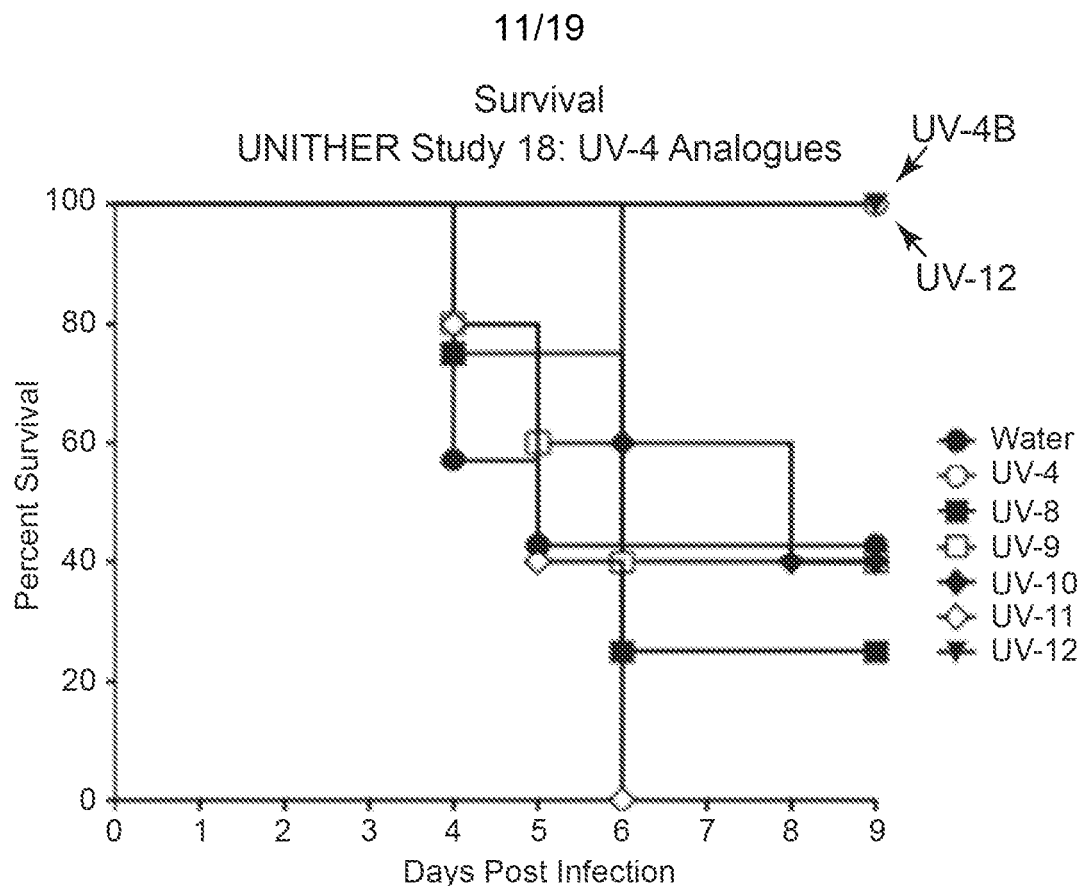
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100 mg/kg UV-4B		
Source of Variation	% of Total Variation	P Value
Interaction	19.46	< 0.0001
Time	29.22	< 0.0001
Treatment	22.78	< 0.0001
Subjects (matching)	7.9206	< 0.0001

100 mg/kg UV-8		
Source of Variation	% of Total Variation	P Value
Interaction	0.77	0.9137
Time	47.47	< 0.0001
Treatment	1.74	0.145
Subjects (matching)	13.5295	0.001

100 mg/kg UV-12		
Source of Variation	% of Total Variation	P Value
Interaction	23.23	< 0.0001
Time	32.8	< 0.0001
Treatment	13.33	< 0.0001
Subjects (matching)	5.2539	0.1205

Figure 11



AG129 DENVADE model

Figure 12

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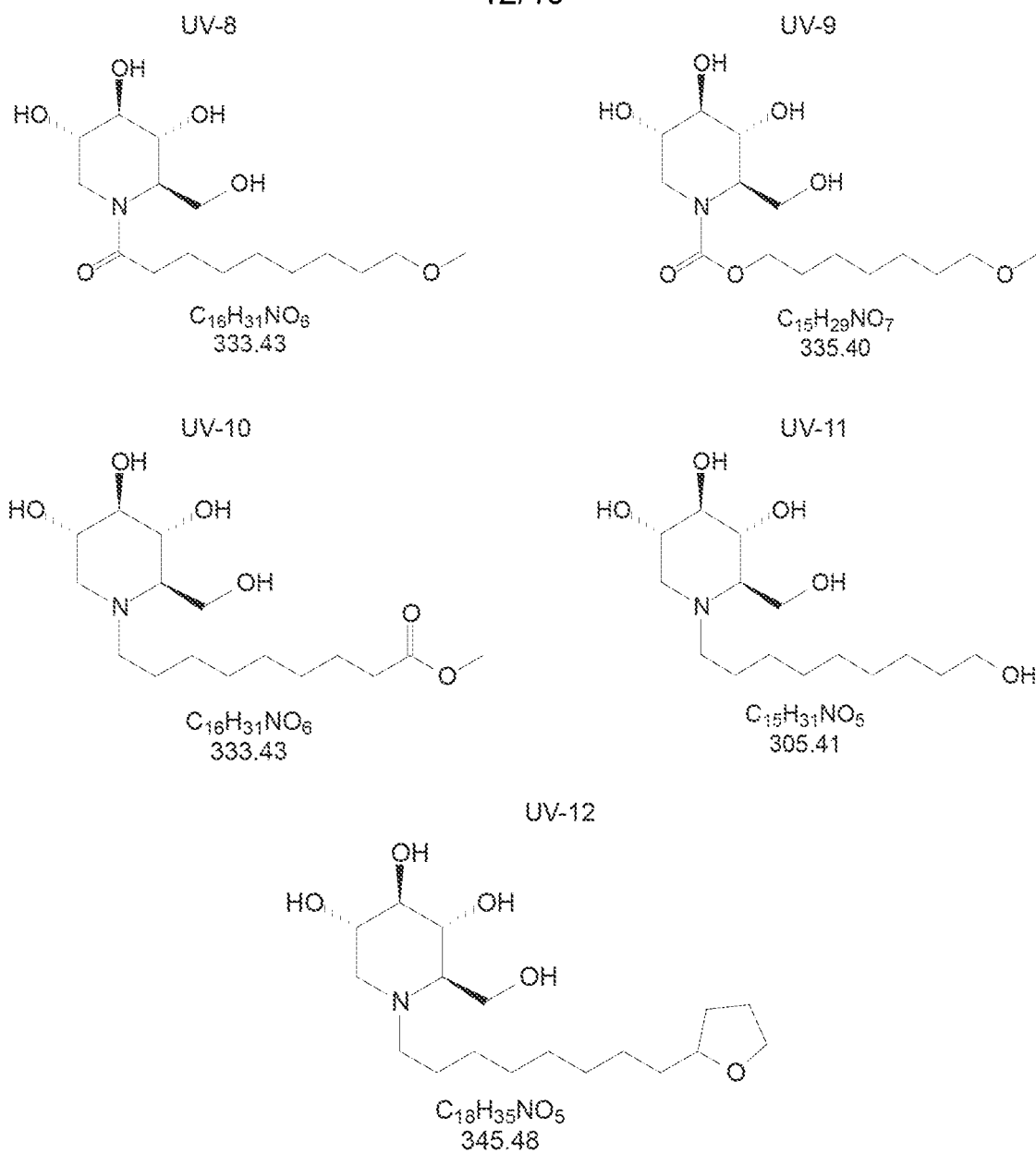
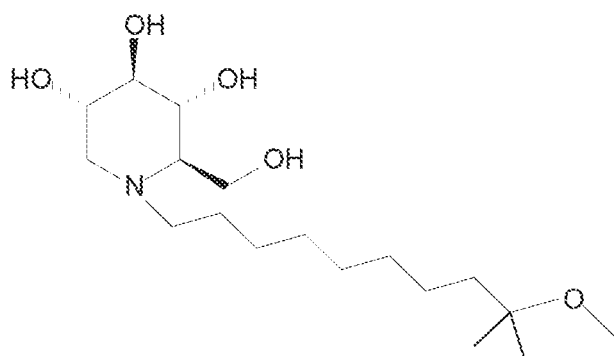


Figure 13



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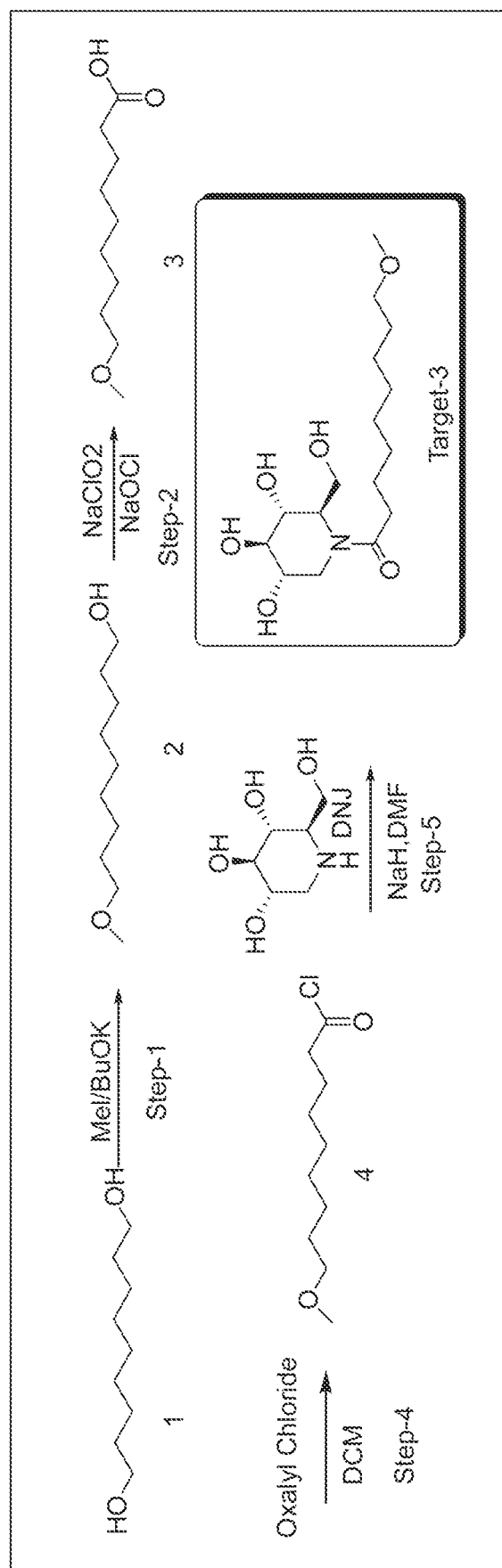
UV-8: C₁₆H₃₁NO₆ (Mol Wt 333.43)

Figure 15

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UV-9 : C15H29NO7 (Mol Wt 335.40)

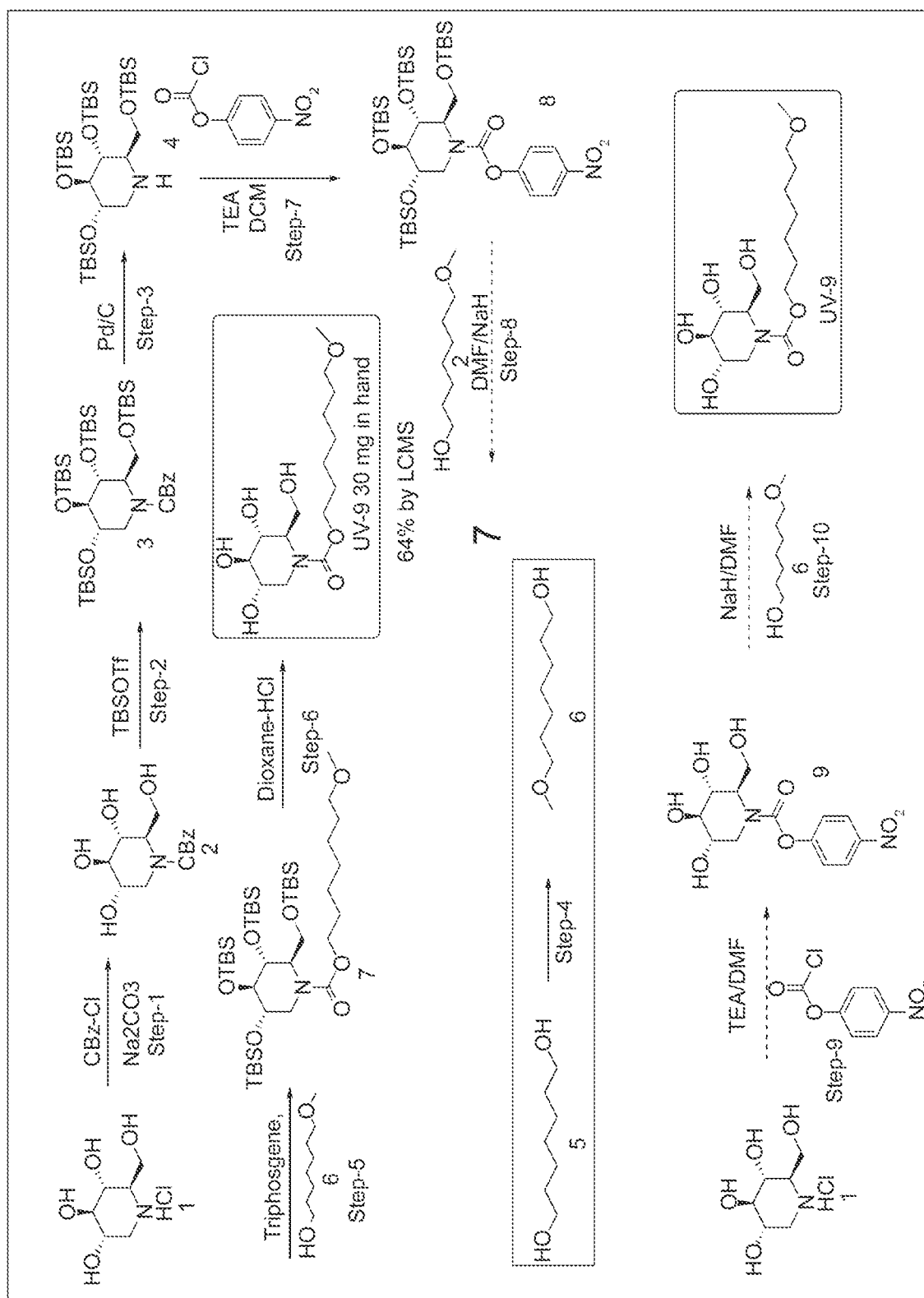


Figure 16

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UV-10: C16H31NO6 (Mol Wt 333.43)

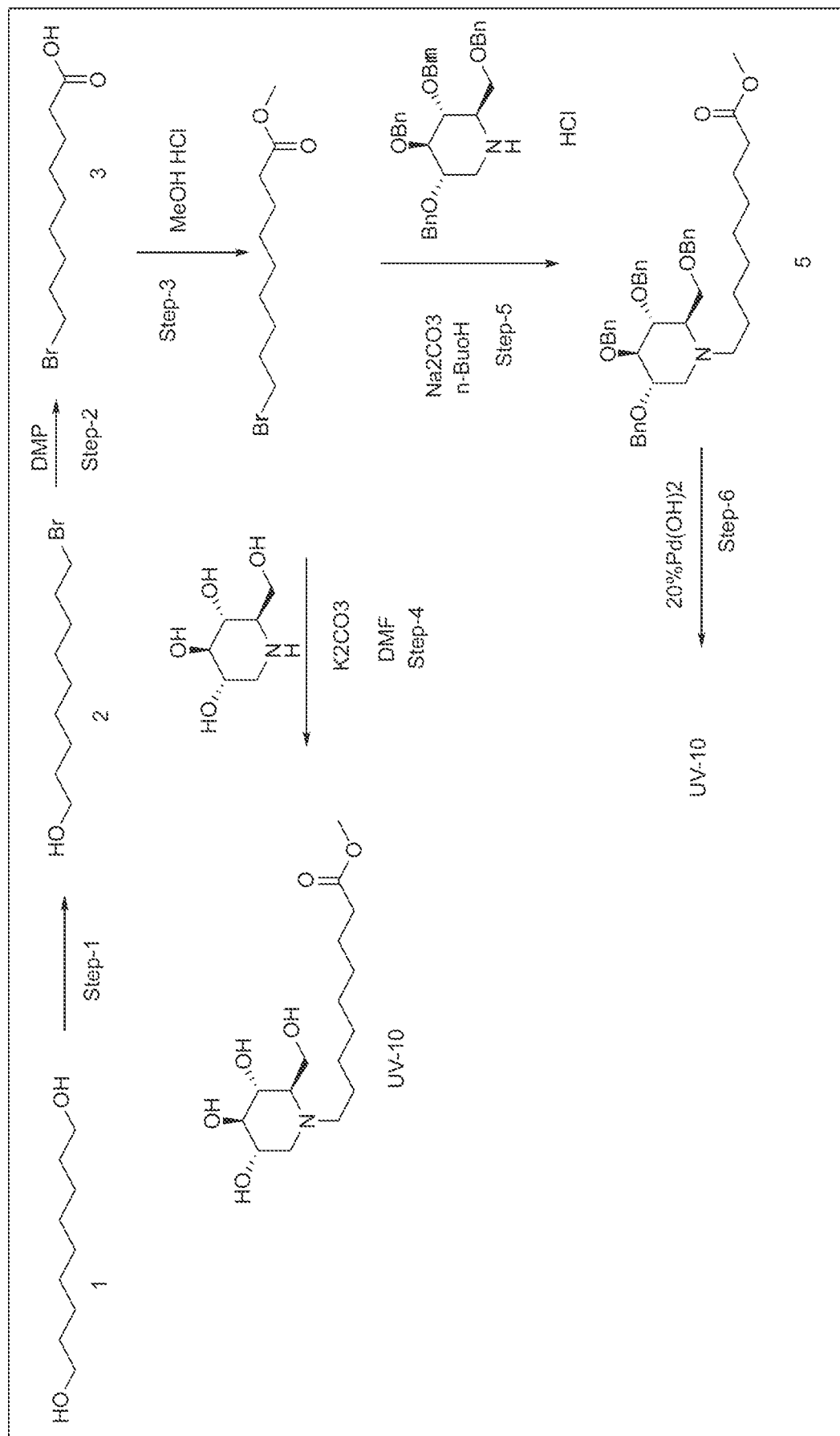


Figure 17

UV-11: C15H31NO5 (Mol Wt 305.41)

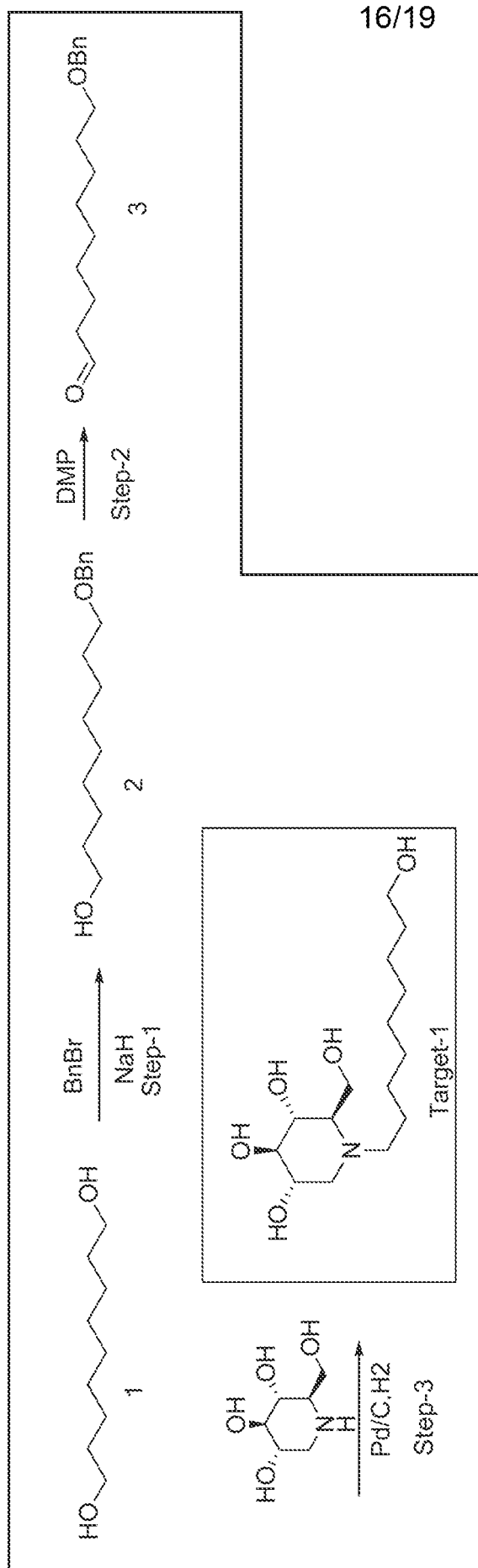


Figure 18

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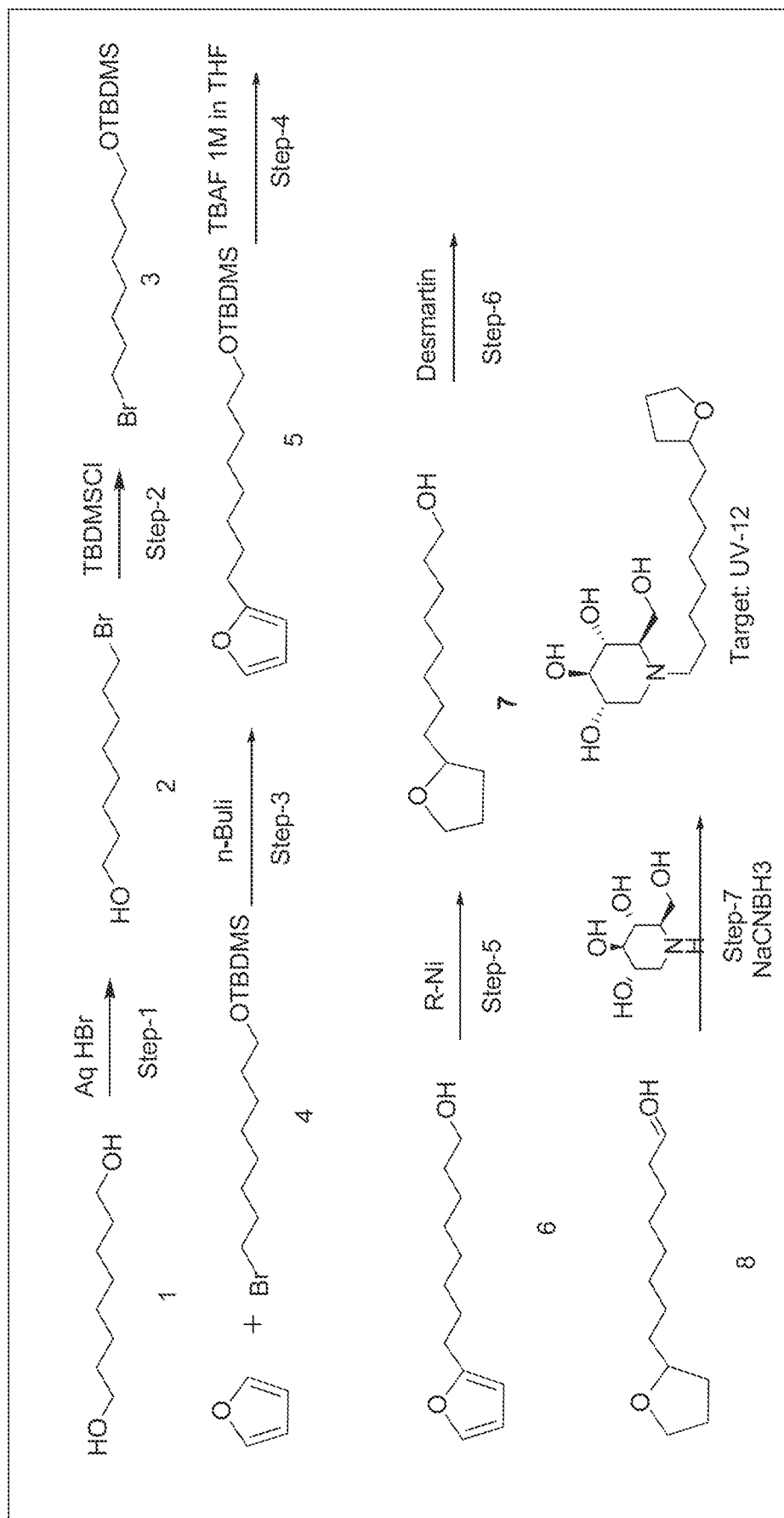
UV-12: C₁₈H₃₅NO₅ (Mol Wt 345.48)

Figure 19

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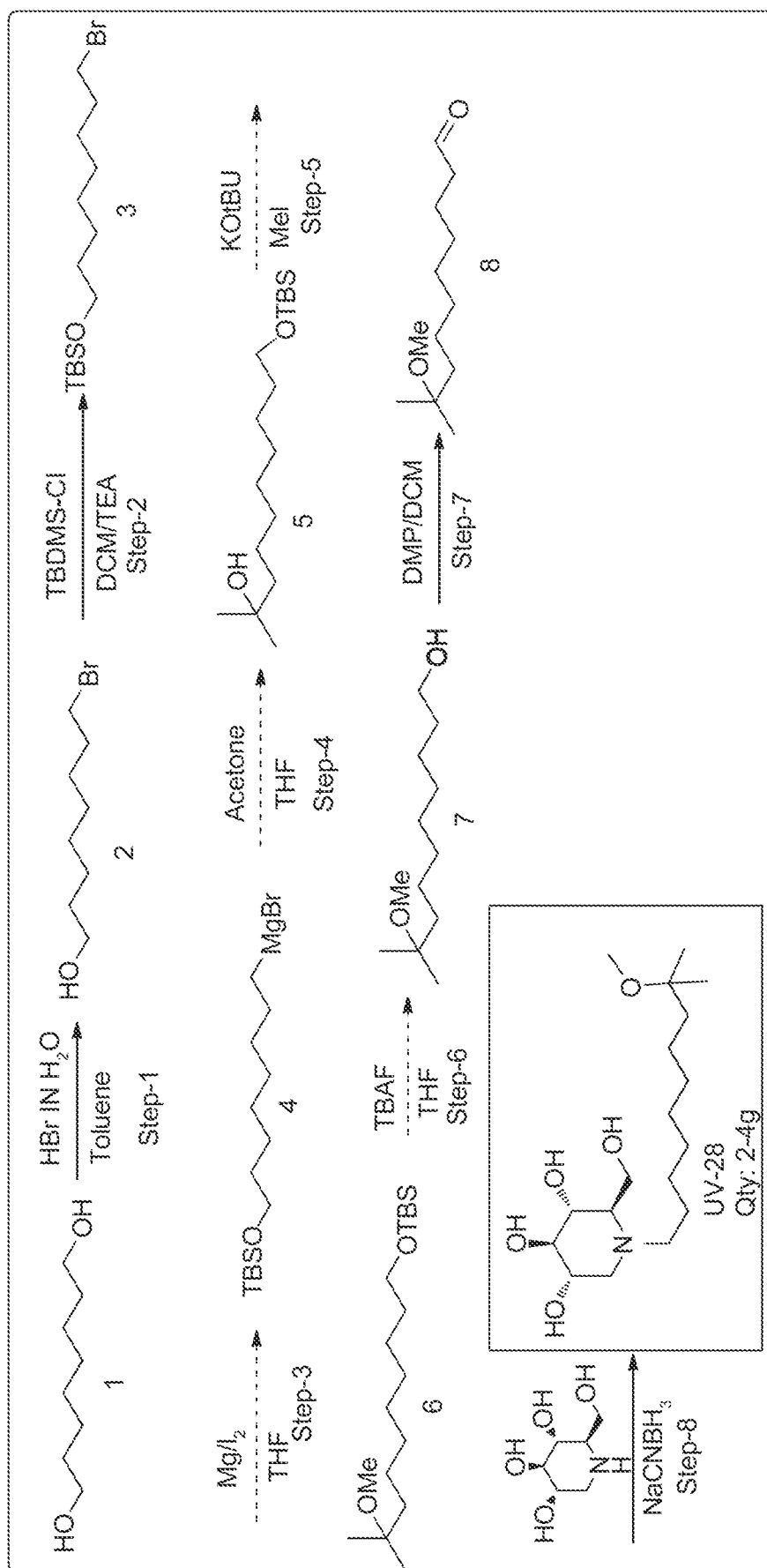
Synthesis of UV-28

Figure 20

Alternative scheme for UV-28

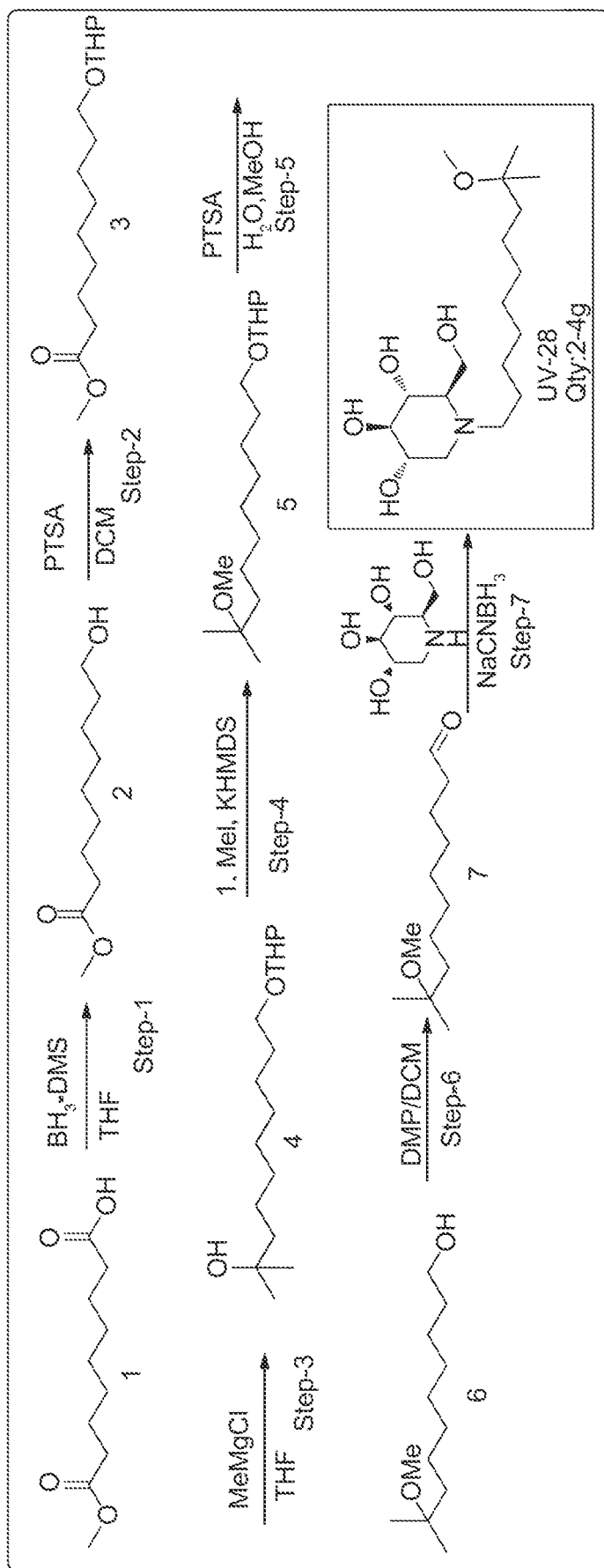


Figure 21