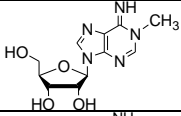
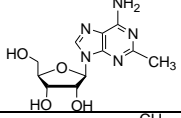
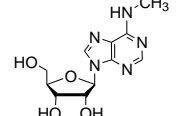
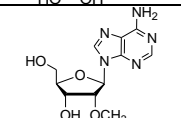
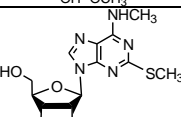
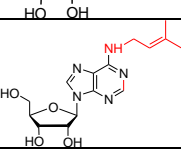
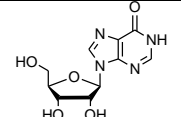
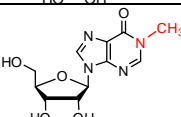
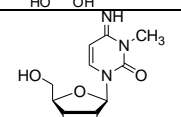
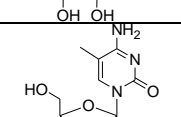
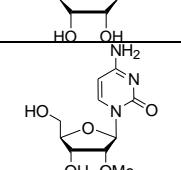
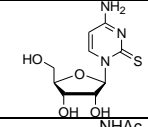
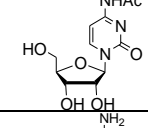
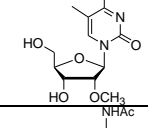
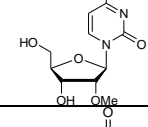
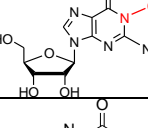
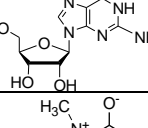
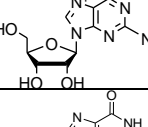
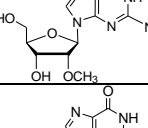
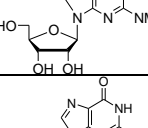
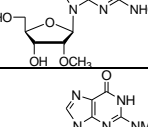
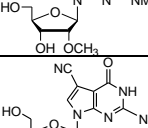
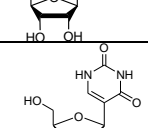
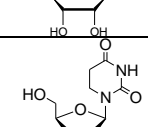
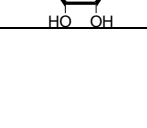
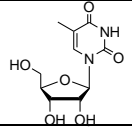
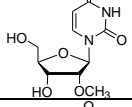
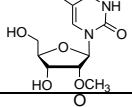
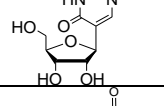
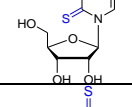
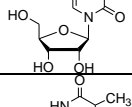
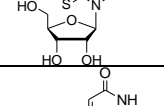
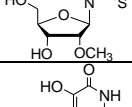
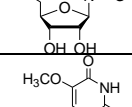
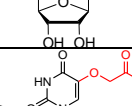
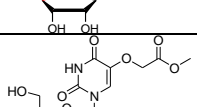
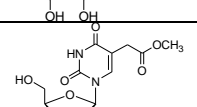
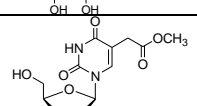
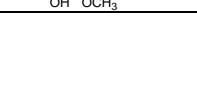


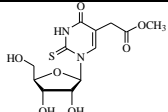
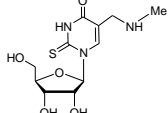
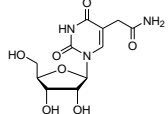
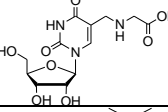
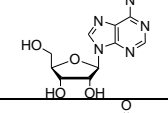
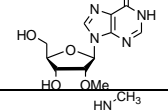
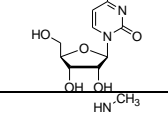
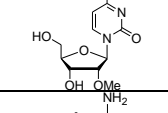
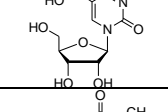
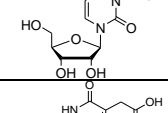
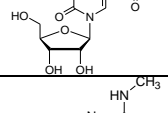
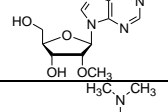
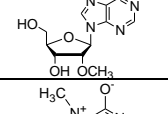
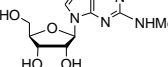
Naturally-Occurring RNA-Modified Nucleosides

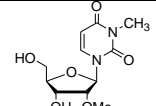
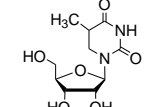
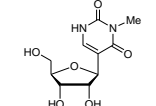
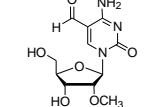
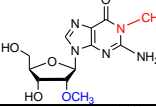
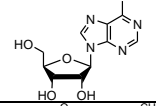
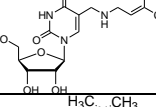
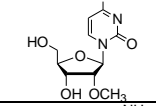
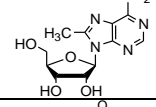
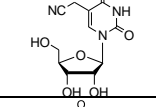
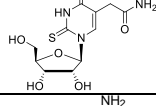
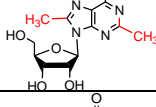
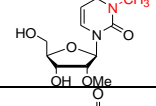
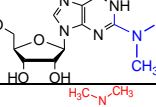
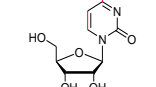
Researchers discovered over 150 naturally-occurring modified nucleosides generated during the modification processes of various natural RNAs. Several of these naturally modified ribonucleosides are common nucleosides while most of them are not readily available. Granlen has more than half of these compounds and hundreds of their closely related analogues in stock. Our skilled teams are capable of making more based on your need.

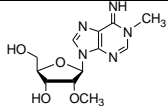
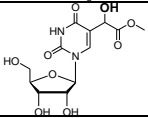
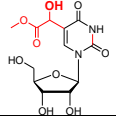
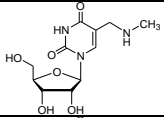
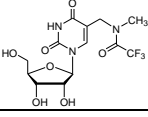
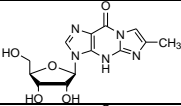
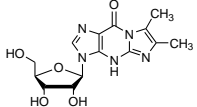
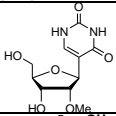
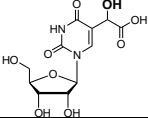
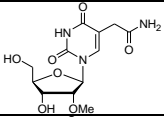
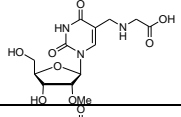
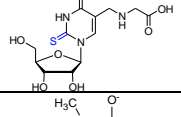
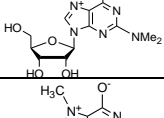
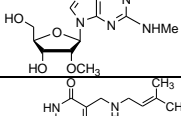
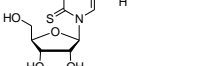
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2	m ² A	GL100877 CAS#16526-56-0 2-Methyladenosine	
3	m ⁶ A	GL100832 CAS#1867-73-8 N ⁶ -Methyladenosine	
4	Am	GL100400 CAS#2140-79-6 2'-O-Methyl adenosine	
5	ms ² m ⁶ A	GL100908 CAS#13406-51-4 N ⁶ -Methyl-2-methylthioadenosine	
6	i ⁶ A	GL102581 CAS#7724-76-7 N ⁶ -Isopentenyladenosine	
17	I	GL100160 CAS#58-63-9 Inosine	
18	m ¹ I	GL102666 CAS#2140-73-0 N1-Methylinosine	
20	m ³ C	GL102216 CAS#2140-64-9 N ³ -Methylcytidine	
21	m ⁵ C	GL100387 CAS#2140-61-6 5-Methylcytidine	
22	Cm	GL100256 CAS# 2140-72-9 2'-O-Methyl cytidine	

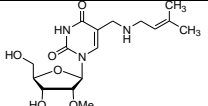
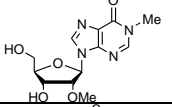
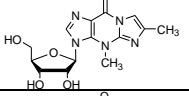
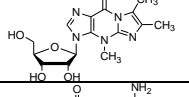
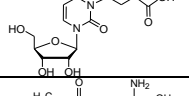
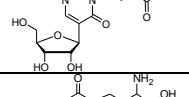
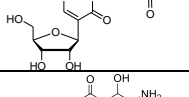
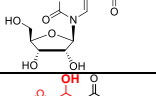
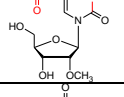
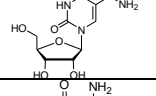
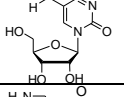
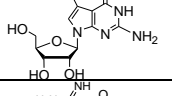
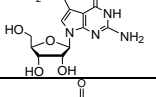
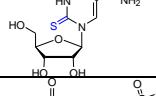
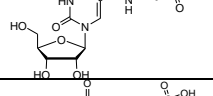
23	s ² C	GL100162 CAS#13239-97-9 2-thiocytidine	
24	ac ⁴ C	GL100118 CAS#3768-18-1 N ⁴ -Acetyl cytidine	
26	m ⁵ Cm	GL100726 CAS#113886-70-7 2'-O-Methyl-5-methylcytidine	
27	ac ⁴ Cm	GL100163 CAS#113886-71-8 N ⁴ -acetyl-2'-O-methylcytidine	
29	m ¹ G	GL102690 CAS#2140-65-0 N ¹ -Methylguanosine	
30	m ² G	GL100901 CAS#2140-77-4 N ² -Methylguanosine	
31	m ⁷ G	GL102306 CAS#20244-86-4 N ⁷ -Methylguanosine	
32	Gm	GL101169 CAS#2140-71-8 2'-O-Methylguanosine	
33	m ² ₂ G	GL102166 CAS#2140-67-2 N ² ,N ² -Dimethylguanosine	
34	m ² Gm	GL100731 CAS#135023-21-1 2'-O-Methyl-N ² -methylguanosine	
35	m ² ₂ Gm	GL100732 CAS#113886-73-0 2'-O-Methyl-N ² ,N ² -dimethyl-guanosine	
47	preQ ₀	GL100964 CAS#61210-21-7 7-Cyano-7-deaza guanosine, Pre-Q ₀	
50	Ψ	GL100196 CAS#1445-07-4 Pseudouridine	
51	D	GL101870 CAS#5627-05-4 5,6-Dihydrouridine	

52	m ⁵ U	GL100159 CAS#1463-10-1 5-methyluridine	
53	Um	GL100170 CAS#2140-76-3 2'-O-Methyl uridine	
54	m ⁵ Um	GL100423 CAS#55486-09-4 2'-O-Methyl-5-methyluridine	
55	m ¹ Ψ	GL101336 CAS#13860-38-3 <i>N</i> ¹ -Methyl pseudouridine	
57	s ² U	GL100351 CAS#20235-78-3 2-Thiouridine	
58	s ⁴ U	GL101285 CAS#13957-31-8 4-thiouridine	
59	m ⁵ s ² U	GL102160 CAS#32738-09-3 5-Methyl-2-thiouridine	
60	s ² Um	GL100739 CAS#113886-72-9 2'-O-Methyl-2-thiouridine	
62	ho ⁵ U	GL100340 CAS#957-77-7 5-Hydroxyuridine	
63	mo ⁵ U	GL100725 CAS#35542-01-9 5-Methoxyuridine	
64	cmo ⁵ U	GL102693 CAS#28144-25-4 Uridine 5-oxyacetic acid	
65	mcmo ⁵ U	GL100347 CAS#66536-81-0 Uridine 5-oxyacetic acid methyl ester	
68	mcm ⁵ U	GL100361 CAS#29428-50-0 5-(Methoxycarbonyl) methyluridine	
69	mcm ⁵ Um	GL100362 CAS#60197-31-1 5-(Methoxy carbonyl) methyl-2'-O-methyl uridine	

70	mcm ⁵ s ² U	GL100736 CAS#20299-15-4 5-Methoxycarbonyl methyl-2-thiouridine	
73	mnm ⁵ s ² U	GL100716 CAS#32860-54-1 5-(Methylamino methyl)-2-thiouridine	
75	ncm ⁵ U	GL100714 CAS#29569-30-0 5-Carbamoylmethyl uridine	
77	cmnm ⁵ U	GL100920 CAS#69181-26-6 Uridine-5-methyl amino acetic acid	
80	m ⁶ ₂ A	GL102056 CAS#2620-62-4 <i>N</i> ⁶ , <i>N</i> ⁶ -Dimethyl adenosine	
81	Im	GL100161 CAS#3881-21-8 2'-O-methylinosine	
82	m ⁴ C	GL100336 CAS#10578-79-7 <i>N</i> ⁴ -Methylcytidine	
83	m ⁴ Cm	GL100727 CAS#13048-95-8 <i>N</i> ⁴ , <i>O</i> ^{2'} -Dimethyl cytidine	
84	hm ⁵ C	GL100359 CAS#19235-17-7 5-Hydroxymethyl cytidine	
85	m ³ U	GL102209 CAS#2140-69-4 <i>N</i> ³ -Methyluridine	
87	cm ⁵ U	GL100388 CAS#20964-06-1 5-(Carbonyl)methyluridine; Uridine-5-acetic acid	
88	m ⁶ Am	GL102100 CAS#57817-83-1 <i>N</i> ⁶ -Methyl-2'- <i>O</i> -methyladenosine	
89	m ⁶ ₂ Am	GL102099 CAS#30891-53-3 <i>N</i> ⁶ , <i>N</i> ⁶ -Dimethyl-2'- <i>O</i> -methyladenosine	
90	m ^{2,7} G	GL100880 CAS#62122-07-0 <i>N</i> ² , <i>N</i> ⁷ -Dimethyl guanosine	

92	m ³ Um	GL102213 CAS#7103-27-7 <i>N</i> ³ -Methyl-2'- <i>O</i> -methyluridine	
93	m ⁵ D	GL100710 CAS#23067-10-9 5-Methyl-5,6-dihydrouridine	
94	m ³ Ψ	GL100358 CAS#81691-06-7 3-Methylpsedouridine	
95	f ⁵ Cm	GL100738 CAS#176858-79-0 5-Formyl-2'- <i>O</i> -methylcytidine	
96	m ¹ Gm	GL102692 CAS#73667-71-7 <i>N</i> ¹ ,2'- <i>O</i> -dimethylguanosine	
102	ac ⁶ A	GL100887 CAS#16265-37-5 <i>N</i> ⁶ -Acetyl adenosine	
103	inm ⁵ U	GL100719 ; CAS#872710-76-4 5-(<i>N</i> -Isopentenyl)aminomethyl uridine	
107	m ⁴ ₂ Cm	GL100337 CAS#34218-81-0 <i>N,N</i> -Dimethyl-2'- <i>O</i> -methylcytidine	
109	m ⁸ A	GL101683 CAS#56973-12-7 8-Methyladenosine	
112	cnm ⁵ U	GL100971 CAS#58479-73-5 5-Cyanomethyl uridine	
	253U; ncm5s2U	GL100912 ; CAS#29900-40-1 5-Aminocarbonylmethyl-2-thiouridine 5-carbamoylmethyl-2-thiouridine	
	28A, M2,8A	GL100943 CAS#63954-66-5 2,8-Dimethyladenosine	
	03U, m3Um	GL102213 CAS#7103-27-7; <i>N</i> ³ -Methyl-2'- <i>O</i> -methyluridine; 3,2'- <i>O</i> -dimethyluridine	
	22G, m2,2G	GL102166 CAS#2140-67-2 <i>N</i> ² , <i>N</i> ² -Dimethylguanosine	
	44C, m4,4C	GL102132 CAS#13007-43-7 <i>N</i> ⁴ , <i>N</i> ⁴ -Dimethylcytidine	

97	m ¹ Am	1,2'-O-dimethyladenosine 91101-00-7	
67	mchm ⁵ U	5-(carboxyhydroxymethyl)uridine methyl ester; 89665-83-8	
		GL100715 ; CAS#945684-13-9 5-(1-Hydroxy)(methoxycarbonyl)methyl uridine	
72	mnm ⁵ U	5-(N-Methyl)amino methyl uridine 72667-55-1	
		GL100372 ; CAS#163496-07-9 5-(N-Methyl-N-trifluoromethyl acetyl)aminomethyl uridine	
The compounds below can be made.			
100	imG-14	N ⁴ -Desmethyl wyosine CAS#59327-60-5	
101	imG2	7-Methyl wyosine; Isowyosine CAS#577773-09-2	
56	Ψm	2'-O-methylpseudouridine 2140-68-3	
66	chm ⁵ U	5-(carboxyhydroxy methyl)uridine 89708-80-5	
76	ncm ⁵ Um	5-carbamoylmethyl-2'-O-methyluridine 60197-30-0	
78	cmnm ⁵ Um	5-carboxymethylamino methyl- 2'-O-methyl uridine; 110419-13-1	
79	cmnm ⁵ s ² U	5-carboxymethylamino methyl-2-thiouridine; 78173-95-2	
91	m ^{2,2,7} G	N ² ,N ² ,7-trimethyl guanosine 40027-70-1	
106	m ^{2,7} Gm	N ² ,7,2'-O-trimethyl guanosine 872710-82-2	
104	inm ⁵ s ² U	5-(isopentenylamino methyl)-2-thiouridine; 872710-78-6	

105	inm ⁵ Um	5-(isopentenylamino methyl)-2'-O-methyl uridine; 872710-80-0	
19	m ¹ Im	1,2'-O-dimethylinosine 65150-69-8	
41	imG	Wyosine 52662-10-9	
42	mimG	Methylwyosine 108274-04-0	
61	acp ³ U	3-(3-amino-3-carboxypropyl)uridine 52745-94-5	
86	m ¹ acp ³ Ψ	1-methyl-3-(3-amino-3-carboxypropyl) pseudouridine; 52777-29-4	
	309U, 309U	3-(3-amino-3-carboxypropyl)pseudouridine	
	531U, nchm5U	Uridine 5-alpha-hydroxy acetamide 5-carbamoylhydroxy methyluridine	
	0522U, mchm5Um	5-(carboxyhydroxymethyl)-2'-O-methyluridine methyl ester (can be made)	
	510U, nm5U	5-aminomethyluridine	
25	f ⁵ C	5-formylcytidine 148608-53-1	
48	preQ1	7-aminomethyl-7-deazaguanosine 66048-70-2	
49	G ⁺	Archaeosine 148608-52-0	
71	nm ⁵ s ² U	5-aminomethyl-2-thiouridine 109666-14-0	
98	τm ⁵ U	5-taurinomethyluridine 497258-53-4	
99	τm ⁵ s ² U	5-taurinomethyl-2-thiouridine 497258-54-5	