

Category	Amidite/Reagent (5'-DMT-, 3'-CE, 2'-O-TBDMS unless specified)	MW (g/mol)	Molarity (mol/L) 0.2 M	Solute (g) 20 g	ACN (mL)	ACN (g)	Mol Sieves (g)	Total V (mL)	Solvent
DNA	dA(Bz)	857.95	0.20	20.00	108.8	85.5	11.2	116.6	ACN
	dC(Ac)	771.84	0.20	20.01	122.5	96.3	12.6	129.6	ACN
	d5mC(Bz)	847.90	0.20	20.01	110.0	86.5	11.3	118.0	ACN
	dG(iBu)	839.94	0.20	20.00	111.0	87.2	11.4	119.1	ACN
	dG(Dmf)	824.92	0.20	19.99	113.3	89.1	11.6	121.2	ACN
	dT/d5mU	744.83	0.20	19.99	127.2	100.0	13.1	134.2	ACN
RNA	rA(Bz)	988.18	0.20	20.00	91.1	71.6	9.3	101.2	ACN
	rC(Ac)	902.10	0.20	20.00	100.8	79.2	10.3	110.8	ACN
	rG(Ac)	942.14	0.20	20.00	96.1	75.5	9.9	106.1	ACN
	rG(iBu)	970.16	0.20	20.00	92.8	72.9	9.5	103.1	ACN
	rU	861.03	0.20	19.99	106.3	83.6	10.9	116.1	ACN
2'-OMe	mA(Bz)	887.97	0.20	19.99	104.5	82.1	10.7	112.6	ACN
	mC(Ac)	801.84	0.20	20.00	117.3	92.2	12.0	124.7	ACN
	mG(iBu)	869.97	0.20	20.01	106.6	83.8	10.9	115.0	ACN
	mU	760.80	0.20	20.00	125.1	98.3	12.8	131.5	18/82 DMF/ACN
2'-F	fA(Bz)	875.93	0.20	20.00	106.2	83.5	10.9	114.1	ACN
	fC(Ac)	789.84	0.20	20.01	119.3	93.8	12.2	126.6	ACN
	fG(iBu)	857.91	0.20	20.00	108.3	85.1	11.1	116.5	ACN
	fU	748.79	0.20	20.00	126.5	99.4	13.0	133.6	ACN
2'-MOE	moeA(Bz)	932.01	0.20	20.01	98.4	77.3	10.1	107.3	ACN
	moe5mC(Bz)	922.01	0.20	20.00	99.6	78.3	10.2	108.4	ACN
	moeG(iBu)	913.99	0.20	19.99	100.6	79.1	10.3	109.4	ACN
	moeT/moe5mU	818.89	0.20	20.00	114.3	89.8	11.7	122.1	ACN
	lA(Bz)	885.95	0.20	20.01	104.4	82.1	10.7	112.9	ACN
LNA	l5mC(Ac)	813.89	0.20	20.00	115.1	90.5	11.8	122.9	50/50 Toluene/ACN
	l5mC(Bz)	875.97	0.20	19.99	105.7	83.1	10.8	114.1	50/50 Toluene/ACN
	lG(iBu)	867.93	0.20	20.01	106.9	84.0	11.0	115.2	ACN
	lG(Dmf)	852.91	0.20	19.99	109.0	85.7	11.2	117.2	ACN
	lT/l5mU	772.83	0.20	20.00	122.1	96.0	12.5	129.4	ACN